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Astron

A GENERAL CATALOGUE OF DOUBLE STARS

WITHIN 121° OF THE NORTH POLE

BY

S. W. BURNHAM

PART I.

THE CATALOGUE

A P

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INTRODUCTION

This catalogue in its first form was the result of my own needs soon after acquiring the six-inch Clark refractor in 1870. From the beginning that instrument was devoted almost entirely to the observation of double stars. Objects were constantly being found which could not be identified in any of the books at hand for reference, the principal one being an early edition of Webb's *Celestial Objects*. At this time there were but few books in Chicago bearing upon the subject of double stars. The old Dearborn Observatory, then under the directorship of Professor T. H. Safford, had a copy of Struve's *Mensurae Micrometricae*, some incomplete volumes of the *Astronomische Nachrichten*, and a few other works of minor importance. The small refractor showed many pairs, more or less difficult, which could not be found recorded in any of the available lists. At that time to make a complete catalogue of the then known double stars, it was necessary to first make pen copies of nearly everything required for this purpose. These were secured by visiting the libraries of the Naval and other observatories, and by borrowing the books from various quarters. In this laborious way manuscript copies were acquired of the material parts of nearly all publications relating to double stars. These copies included Struve's *Mensurae Micrometricae*, and *Positiones Mediae;* the Pulkowa Catalogue; the seven catalogues of Herschel II (*Memoirs R. A. S.*); the catalogues of Herschel, and Herschel and South (*Philosophical Transactions*); and a great number of minor lists and measures scattered through the volumes of the *Philosophical Transactions*, *Memoirs* and *Monthly Notices of the Royal Astronomical Society*, *Astronomische Nachrichten;* and hundreds of society, observatory, and other publications. In the course of time original copies of the more important of these works were picked up, and in the end a very complete library was formed of substantially everything relating to the known double stars. The manuscript general catalogue was kept continuously posted to date by the addition of all new stars and new measures from current publications. In order to make room for this new material, a second manuscript edition became necessary, and still later a third, which finally passed into the hands of the printer, and now appears in printed form.

The southern limit of —31° declination, adopted at the beginning, has been retained. This includes all the stars that can be well seen at the principal northern observatories. But little had been done then, and the situation is sensibly the same at this time, in the way of a thorough examination of the southern stars, and in the measurment of those previously catalogued by Herschel and others. The northern heavens were much better explored when Struve's great work appeared in 1837 than the southern portion is now after an interval of seventy years, notwithstanding the labors of Tebbutt, Russell, Sellors, See, Innes, and others; and a general catalogue of the known objects at this time would be of as little use as a similar work for the northern sky would have been if prepared at the conclusion of the researches at Dorpat. It is possible that by the end of the present century, the information then given by an examination of the stars to the eighth magnitude, and by the necessary re-measurement of the old and other known pairs, may make it worth while collecting all the material into a single catalogue for reference, provided a few zealous observers shall arise with an undivided interest in this special work, and with suitable advantages in the way of telescopes and locations. It would have served no useful purpose at the present time to have extended the limits of this catalogue to the south pole. All that is needed in this direction at this time has been supplied by Innes who has compiled a provisional reference catalogue of the more prominent southern doubles, with measures of 1898, printed in the *Annals* of the Royal Observatory, Cape of Good Hope, Vol. II.

PART I. CATALOGUE

The page of the catalogue is made up of eleven columns as follows:

Column 1.—General number for reference.

Column 2.—Name of the double star. When found in other catalogues the synonyms are given in Part II.

Column 3.—Identification in the various star catalogues. Nearly all the double stars originally given in the several catalogues of the Herschels, the Struves, South and others, which are below the naked-eye limit, are not identified by the authors in any of the then existing star catalogues. So far as possible the stars which are bright enough to be included in any of the modern star lists are identified in one or another, and given in this column.

Columns 4 and 5.—Right Ascension and Declination. In the original manuscript catalogue, prepared more than thirty years ago, the places of the stars catalogued down to that time were carried forward to 1880. As the particular epoch used in a catalogue of this kind is a matter of no practical importance, these places have not been changed. At that time none of the catalogues of the *Astronomische Gesellschaft* had been published; otherwise the date adopted might have been 1875. The *Durchmusterung* epoch of 1855 would have served the same purpose, as no reduction is necessary, at least beyond a rough mental estimate, either in setting the telescope on any star in the catalogue, or in identifying any unknown object.

The places of the Struve stars were originally taken from *Positiones Mediae*, so far as they are found in that catalogue, but most of them have since been checked by the more recent observations in the modern catalogues. The Struve stars whose positions depend upon the approximate places in *Mensurae Micrometricae*, have all been identified in the *Durchmusterung* and other star catalogues. This has been done for all the Otto Struve stars, and as far as possible for all the stars in the lists of Herschel, South, and other early observers. Many of the objects in the seven catalogues of Sir John Herschel are too faint to be given in the *Durchmusterung* and other meridian lists. The others have been identified, and the corrected places given.

There is another class of double stars, principally from the observations of comparatively modern observers, where no attempt seems to have been made, beyond perhaps reading the coarse circles of the equatorial, to identify the star or give the exact place. As many as possible of these stars have been identified; others are not in or very near the given places; and still others obviously have large and uncertain errors of place which will make their identification hereafter a matter of accident or good luck.

There seemed to be no object to be gained by giving the right ascensions any closer than the nearest whole second of time, since as a matter of fact a large number of these stars have a much greater uncertainty in place from the lack of meridian positions, and from the lack of knowledge of their proper motions; and to give the right ascensions to small fractions of a second would imply an accuracy which would be unwarranted by the material at hand. This is also true generally of the declinations. While perhaps for a greater part of the stars, the nearest tenth of a minute of arc might have been given, it would have had no significance in the case of several thousand stars; and in any event would not have made the catalogue any more useful for any conceivable purpose, practical or otherwise. In any investigation concerning the proper motion, or the exact place of the star, the original catalogues of position will of course be consulted.

All of the stars are north of the equator, unless otherwise indicated by the minus sign attached to the degrees of declination. The advantage of the omission of the plus sign for the northern stars in rapidly finding any star, either north or south, will be apparent to those who have had to do this frequently in catalogues where all the signs are given.

Columns 6 and 7.—Position-angle and distance. The measures, unless otherwise noted, are from the original list referred to by the name of the star in column 2. For the Struve and Otto Struve stars the measures cited are by these observers. Nearly all the closer stars by Sir William Herschel are embodied in Struve's great catalogue. Those having distances exceeding the Struve limit, and which are not found in the later lists of Herschel II and South, are given with the measures or description of Herschel I. Many of these have been identified for this work, and are given with corrected places. A few of the others, from lack or vagueness of description, can not be identified with any certainty.

The measures of Sir John Herschel as a rule are confined to a single setting for the position-angle, and an estimate of the distance. Generally these angles are in fair agreement with later measures when these stars have been re-observed. Change could only come from proper motion in pairs of this class. Later measures will show whether or not some of the apparent changes are real. Most of the Herschel estimates of distances are too large, and particularly of stars under 10″.

Column 8.—Magnitudes. The magnitudes of the components are given from the same source from which the measures are taken. The scale employed by Struve, Otto Struve, Dembowski, and all the later observers is practically the same. That of Herschel II gives much higher numerical values for the magnitudes of telescopic stars. He gives the following corresponding values derived from a large number of comparisons of his estimates with those of Struve:

H Σ	H Σ	H Σ
6.0 = 5.5	10.0 = 8.8	14.0 = 10.5
6.5 = 5.9	10.5 = 9.1	14.5 = 10.7
7.0 = 6.4	11.0 = 9.3	15.0 = 10.9
7.5 = 6.8	11.5 = 9.6	16.0 = 11.1
8.0 = 7.3	12.0 = 9.8	17.0 = 11.4
8.5 = 7.7	12.5 = 10.0	18.0 = 11.6
9.0 = 8.1	13.0 = 10.2	19.0 = 11.8
9.5 = 8.5	13.5 = 10.4	20.0 = 12.0

It is a fact worth noting that there is no satisfactory evidence of variability in the relative magnitudes of the components of any real double star, although distant stars have been occasionally connected with other stars in which there is some change.

Column 9.—Date of measures cited in columns 6 and 7.

Column 10.—The astronomer whose observations are given, and the number of nights on which complete measures were made. In many instances the angle was measured on other nights, which enter into the mean result given, but it cannot be presumed that they add much, if anything, to the value of the mean when the difficulty of the object, from the closeness or inequality of the components, made it impossible or undesirable to attempt measures of distance. The number of nights attached to the measures cited in Part II is that on which complete measures of angle and distance were made.

Column 11.—Brief notes relating to the several components connected with the principal star; the colors given by Struve for his stars, by Dembowski for the Otto Struve stars; and references to the original authority from which the pair is taken when there are no subsequent measures and the citation is brief enough to be given in this column. There is too much uncertainty in most of the observations of color, particularly of the smaller stars, and of the larger stars where the color is not of a decided character, to make it worth while giving any comparison of the various results which would necessarily present large differences.

APPENDIX TO PART I

While this work was going through the press, a great many new double stars were found by Aitken and Hussey at the Lick Observatory, which were received too late for insertion in their proper places in Part I. For the sake of completeness, and by way of bringing the catalogue of known pairs down to the latest date possible (1906), it seemed desirable to add these discoveries in the form of an appendix to Part I, and this has accordingly been done. The star places are for 1900, as given in the several *Lick Observatory Bulletins* from which they are taken.

PART II. NOTES TO THE CATALOGUE

In all cases where the stars have been reobserved since the observation recorded in Part I, a sufficient number of measures are cited, to show the motion, where there has been any relative change, and as far as possible its character, and to show the unchanged relation of the components where this seems to appear from the observations to this time. In many instances, and particularly of the Dorpat stars, where the observations extend over three-fourths of a century, perhaps the citation of a smaller number of measures would have answered every purpose, but it seemed best to give too many rather than too few. For obvious reasons only the best measures by the best observers are selected as a rule, and those made on a single night have been generally rejected except when there was nothing else in point of time to take their places. It must be clear to everyone that the omission of all indifferent and superfluous observations necessarily adds to the value and usefulness of this work. The author has not been handicapped or limited in any way as to space to be used; and in the citation of observations, and in the comments relating thereto, he has omitted nothing that in his judgment would be worth giving. It goes without saying that a large number of the published measures of double stars should be rejected in any investigation or discussion as to the relative motion of the components. There need be no difficulty or hesitation in deciding as to the proper material to be used. If all the observations, good, bad, and indifferent, are employed in the computation of an orbit, it is certain that the value of the result will be correspondingly impaired, and no method of treating the doubtful material will prevent this.

A liberal use has been made of diagrams to illustrate the motion shown by the observations. These are accurately drawn to scale with a protractor, devised for this purpose, having a 12-inch circle and graduated arm, allowing the angles and distances to be laid down at the same time. The original drawing is then reduced to the proper scale in the camera, and the negative used to transfer the picture by contact to the block for engraving. These diagrams, therefore, may be taken as perfectly representing the actual measures selected from the best available material.

It will be apparent to anyone who will take the time to examine a sufficient number of pairs which were measured by the early observers, that as a rule these observations are very rough and more or less uncertain, and with errors too large to permit of their use in investigating the relative motion of the components. With the crude micrometers, driving-clocks, and equatorial instruments of the early part of the nineteenth century, and previous thereto, it is perhaps remarkable that the measures of that time are as good as they are, and it is doubtful if the astronomers of this day could do any better work with such tools. But there are too many instances where these early positions are known to be erroneous, or only very roughly approximate, to make it safe to rely upon them in fixing the position and limit of the apparent orbit of a binary system. The uniformly reliable and accurate measures of double stars begin with the work of the great Struve in his *Mensurae Micrometricae.*

It is intended to give references to all the measures of each star, and to the more important papers relating to them. Doubtless some citations may have been overlooked, but it is not likely that many important omissions of this kind will be found. When there are no later observations, and the reference is brief, it is given in the last column of Part I. For this reason, many pairs which are likely to be of interest hereafter, are not represented by any note in Part II.

In a general way the references to published observations may be said to end with those received early in 1906, but owing to the time required to pass Part II through the press, some of the series of measures printed in *Astronomische Nachrichten*, *Monthly Notices*, etc., are cited where they come in the later hours of right ascension.

It will be seen that the micrometrical work on double stars since the observations of Struve has not been wisely distributed. A vast amount of time has been practically wasted in the duplication of measures of prominent and familiar pairs, and in observing objects which need no attention except at long intervals. Much more would be known at this time of most of the double stars if the observing lists had been more carefully selected during the last sixty years.

In order to make this portion of the work independent of the Catalogue (Part I) for general use and reference, the minutes and seconds of right ascension are given on the side, with the hour at the top of each page, so that any star can be found when its general number or right ascension is known without first consulting the tabular part.

As far as practicable the proper motions of the principal stars have been taken from the best sources of information, and to make them immediately available for double-star purposes, the values from meridian observations in right ascension and declination have been reduced to arc, and given with the direction of the motion in position-angle. Many of these proper motions are small, and probably somewhat uncertain in amount and direction, but in some instances they are confirmed generally by the measures of the companion, or of some star in the field. When these measures are separated by a considerable interval of time, as they are in many of the old pairs, the proper motion thus found should be very exact. Most of the comparison stars are relatively faint, and may be considered as practically fixed in space. The instances where the small star has any sensible proper motion of its own are comparatively rare, so far as appears from micrometrical measures, and when a different value is found for the primary from observations connecting it with some small star, it would be unsafe in the great majority of cases to infer that therefore the comparison star was moving in space. Examples of stars of very different brightness drifting at practically the same velocity are not uncommon, and presumably they have some physical relation to each other, even when they are separated by distances considerably exceeding that of any of the known binaries.

It was my purpose to present in Part II late measures of every important star of the older catalogues, including all of the pairs in the Dorpat and Pulkowa catalogues, as well as all the stars of the several classes in Herschel I which were too wide to be included in the *Mensurae Micrometricae*, and like pairs in the lists of South, and Herschel and South, and also the most prominent stars in the seven catalogues of Herschel II which from the magnitude of the primary and the estimated distance between the components would presumably make them worthy of re-observation. In the interest of this work I have given something more than five years' time with the 40-inch at the Yerkes Observatory; and nothing in the way of other micrometrical work, however important it might appear to be in the line of other investigations, has been allowed to interfere with carrying out this programme.

As would be expected, the time which could be given to this work of 104 nights per year, making altogether only about 1,200 observing hours, assuming every night to be clear throughout, proved to be insufficient to complete the observations of so extensive a working-list, although some eight or ten thousand measures were made of these stars.

This part of this work is greatly indebted to Professors R. G. Aitken and Eric Doolittle for a large number of very recent and unpublished measures of classes of stars where late measures are specially important. The measures at the Lick Observatory are generally of very close and difficult pairs, many of them in rapid motion, and nearly all of the class which can be better measured at that place than anywhere else. The observations at the Flower Observatory are largely of the pairs discovered by Professor Hough at the Dearborn Observatory, many of which have not been measured since the first position was published. Professor Hussey, while at the Lick Observatory (1898 to 1904), made a large number of measures of the Struve stars which are still unpublished, and these are given in the notes; and also a few measures made at the Kirkwood Observatory, principally by Professors John A. Miller and W. A. Cogshall.

APPENDIX TO PART II

This contains very recent measures of neglected stars, and those having considerable relative motion, which could not be given in Part II. These observations were principally made at the Lick, Flower, and Yerkes Observatories, and include only those of pairs where late positions are important to the completeness of this work.

The Appendix also contains some measures from printed observations which were published after a portion of Part II was in type These include the first part of Doolittle's measures in *Publications of the Flower Observatory*, Vol. II, and a few measures by Biesbroeck, Espin and others.

The Greenwich *New Reduction of Groombridge's Catalogue of Circumpolar Stars*, received too late for use in Part II, contains a large number of proper motions not found in other catalogues, and the more important of these are given in the Appendix.

NUMBER OF DOUBLE STARS

The total number of real double stars now catalogued is necessarily very uncertain, and no safe approximation can be made, if this class is limited to physical systems, or those which are likely to belong to that order, judging from observations now made, the relative magnitudes and distances of the components, and their common proper motions where movement in space has been shown by meridian positions. It is certain that of the 13,655 stars contained in this Catalogue, at least several thousand are only optical or accidental pairs, and can have no physical relation to each other. This includes nearly all the pairs of Herschel II, as well as of Herschel I which are not included in *Mensurae Micrometricae;* many of the Struve and Otto Struve stars; and more or less from all the modern lists. The question of drawing some kind of arbitrary line between what might be presumed to be physical systems, and those which it was practically certain could not belong to that class, was considered at an early day in the preparation of this work. It was soon apparent from a practical application of the principles which were supposed to govern a judicious separation of the material into these two classes that it could not be successfully done. A too liberal application of the rule would reject a comparatively small number and so accomplish but little in reducing the size of the catalogue; while on the other hand a rigid enforcement would necessarily exclude many stars which are of some interest at least, in consequence of changes already shown from proper motion. Then again, the names of the great astronomers attached to these stars entitle them to a place in the first general catalogue of double stars, independent of any consideration of the stars themselves. I have therefore included them all, and as far as possible re-measured the large number of neglected pairs of the old observers for this work.

The distribution in the several hours of right ascension of the 13,655 stars north and south of the equator is shown in the following table:

R. A.	+ Decl.	− Decl.	Total	R. A.	+ Decl.	− Decl.	Total
0^h	513	132	645	12^h	257	112	369
1	432	141	573	13	233	124	357
2	403	112	515	14	311	126	437
3	392	123	515	15	277	145	422
4	404	143	547	16	302	119	421
5	468	221	689	17	316	180	496
6	442	271	713	18	505	209	714
7	368	266	634	19	718	204	922
8	336	181	517	20	693	196	889
9	277	127	404	21	617	191	808
10	267	104	374	22	574	132	706
11	270	98	368	23	479	151	630
				Total	9,854	3,811	13,655

It would not be difficult, by a sorting-out and arrangement of the supposed classes of doubles with reference to the distribution in the heavens, to deduce various inferences based upon such statistics. But it seems certain at this time, with the extremely limited information furnished by all the discoveries and observations, that all such conclusions would be idle and useless. The time will doubtless come when the researches in stellar systems and stellar movements can be turned to good account in generalizations as to the construction and extent of the universe of stars. At present we know but little about less than two score of the binary systems, and practically nothing in detail of the hundreds and perhaps thousands of other pairs belonging to this class. The great majority of proper motions are more or less uncertain in direction and amount. With few exceptions, the distances from the solar system are wholly unknown, and are likely to remain so until by some new method the present errors of observation can be greatly reduced. In addition to all this it must be remembered that the apparent distribution of the stars in right ascension is influenced by conditions which have nothing to do with the real number of these objects, or with the actual number of stars catalogued in the given area. The season of the year when a particular part of the sky can be examined, particularly in the first half of the night, the length of the nights, the probable proportion of clear nights, and to some extent the mean temperature in the colder season, all have an influence on discoveries as well as measures. Practically nothing has been done in the way of finding close pairs in the stars below the ninth magnitude except at the Lick Observatory, and there it has been almost wholly confined to stars north of the equator. Only large apertures, in exceptionally favored localities, can successfully carry on such work. All the stars of this class are of comparatively recent discovery, and nothing is known as to what rank they will take in the physical class of double stars. At present all that is needed for all the double stars, old and new, and of all orders of brightness, is careful and systematic measurement. When this has been carried far enough to furnish the necessary facts, theories and speculations will be in order, and doubtless this part of the subject will be properly attended to by the astronomers of future centuries when it shall be warranted by the necessary preliminary work of their predecessors.

ORBITS OF BINARY STARS

In the indexes to the several classes of double stars will be found a list of 88 systems for which orbits have been found. Of this number only 34, marked (*), can be regarded as of any value. These may be considered as giving the periods and other elements with substantial correctness; but at the best they are only provisional, and will be supplanted at no very distant time by investigations based upon a continuation of careful and accurate measures of these systems. The observations of another half-century should determine the elements of all these orbits with very little error. As to the remaining 54 systems, the periods and all the elements of the orbits are wholly uncertain and worthless. They cannot be regarded as even approximations, since there is nothing in the given data to warrant a guess as to what will be the future relative motion of the components. In fact, in some instances it is not certain that they are physical systems at all. For anything that appears the change may be due to proper motion. Generally speaking, the arc described by the companion must be at least 270° to give results entitled to any confidence, but frequently this is insufficient, and in such cases nearly a complete revolution must be made before the apparent ellipse can be certainly known. When the described arc is short, the agreement of the observed and computed places does not even tend to prove that the deduced orbit is approximately correct, or anything like the real orbit. In such cases a great variety of ellipses, entirely dissimilar in all respects, will represent the observed positions equally well, and with errors of observation less than those which are probable in the measures by the best observers with the most complete and powerful equatorials. It did not seem worth while taking space to give the elements of these orbits, other than the periods. The place of publication is always cited, and the details of the results can be readily referred to.

BINARY SYSTEMS

The list of binaries does not include those for which orbits have been computed. It is evident that it is not easy to draw a sharp line between binary stars, and those which are probably binary. It is a matter of judgment, based upon the best observations, in reference to which opinions might well differ. The list of probable binaries might be very considerably extended by including many stars which are presumably physically related from the observed relative motion, and the closeness of the components. This is not a safe conclusion, whatever the probabilities may be in its favor. Stars which are widely separated now by reason of the proper motion of one of the components, at one time formed very close pairs, and the rapid angular change then might readily have been mistaken for orbital motion.

Many of the stars in these two lists, discovered in the last twenty or thirty years, have shown rapid motion, and it is probable that a good many new orbits can be investigated in the near future, if these stars, which are generally of the close and difficult class, are properly followed with the micrometer.

INDEXES

The index to the new stars discovered since Struve needs no explanation. These stars will be readily found by their numbers in Part I. The shorter and minor discoveries are given at the end in alphabetical order. The Struve stars are easily found in the catalogue or in the notes, except those which from precession or supplemental numbering are shifted from the regular numerical order, and these are given in the index with the corresponding general number in the catalogue.

As the prominent naked-eye stars are generally referred to by the constellation letters and numbers, and not by the corresponding double-star number, an index, with the constellations arranged in alphabetical order, is essential to the rapid finding of these stars in the catalogue without a knowledge of their right ascensions. Only the bright stars which are known by the Bayer Greek letter, or the Flamsteed number are given in the list. The few other doubles in the catalogue which are as bright as the sixth magnitude, but not included in the Flamsteed numbers, are not given, as they would necessarily be referred to by the double star lists from which they are taken.

These large stars appear in column 8 of the catalogue with the magnitudes assigned by the respective observers. In the index to the constellations the photometric magnitudes are given from the Harvard and Potsdam observations.

In this connection attention should be called to the careless and incorrect way in which the Bode constellation numbers are frequently printed in prominent astronomical publications. That number should always follow the name of the constellation, while the Flamsteed number should precede it. This correct method was established at least three-fourths of a century ago, but in recent years many writers have made no distinction, and have thus given the name of an entirely different star from the one referred to. Many of the double stars in this catalogue have the same Flamsteed and Bode numeral, as for example:

11 *Aquilae*	= Σ 2424	No. 8940
Aquilae 11	= Σ 2411	8878
20 *Pegasi*	= H 289	11428
Pegasi 20	= Σ 2799	11001
9 *Cygni*	= H 1493	9470
Cygni 9	= Σ 2496	9185
18 *Cygni*	= Σ 2579	9605
Cygni 18	= Σ 2522	9305
49 *Cassiopeiae*	= β 785	1051
Cassiopeiae 49	= Σ 30	205
32 *Herculis*	= β 878	7677
Herculis 32	= Σ 2024	7553

In certain parallax observations of Σ 2486, that star is often called 6 *Cygni*, in spite of the facts that 6 *Cygni* is one of the prominent stars of this constellation, is a double star of another class, and is more than 20° distant from the other. The Bode catalogue is no longer used for reference, but it is desirable to retain these numbers used by the old observers; and to avoid error and confusion they should be written as they were by these astronomers.

PRECESSION TABLES

It has been suggested that for the convenience of many persons who may use this catalogue, it would be desirable to add precession tables. Even if the limits of the page in Part I had permitted giving this information for each star, it would obviously be much better for all practical uses of the catalogue to give this in the present condensed form, which is sufficiently exact for the certain identification of every object in the sky, and in other star catalogues.

The tables for precession in right ascension (from 0° to 60° declination) are taken from the compilation and arrangement printed in *Publications of the Washburn Observatory*, Vol. I. The precession in right ascension between 60° and 70° of declination, and precession in declination are derived from the tables given in Oeltzen's Argelander's Northern Zones (45° to 80°).

IN CONCLUSION

I wish to express my obligations to Professor George E. Hale for his friendly interest in this work, and his valuable aid in bringing about its publication; to the officers of the Carnegie Institution for their liberality in authorizing its presentation in printed form in the manner desired by the author; and to Professor Edwin B. Frost for his counsels and assistance during the prosecution of the observations at the Yerkes Observatory, and the passage of the manuscript through the press.

S. W. BURNHAM.

THE UNIVERSITY OF CHICAGO
Yerkes Observatory,
July, 1906.

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I. STARS DISCOVERED BY MODERN OBSERVERS

NO.	β	A	Hu	Ho	OΣ	See	A. G.	Hd	Hn	Es	Kr	Ku	Howe	Stone	Weisse	Arg
1	455	888	4	53	56	12751	121	20	80	88	45	7792	490	32	114	27
2	617	2353	18	266	70	13	230	50	190	246	....	9518	660	220	459	403
3	662	4091	111	283	105	....	280	59	399	297	85	6	681	463	699	495
4	714	5078	183	446	104	162	301	66	500	780	137	109	810	471	2288	800
5	854	5730	356	571	131	....	310	68	552	939	....	190	811	1201	2483	802
6	913	5797	719	657	152	....	319	79	823	1046	....	370	1305	1599	2490	978
7	1034	5799	771	757	157	....	397	84	1241	1243	240	470	1411	2216	2612	1112
8	1226	5907	852	764	193	196	460	89	1723	1376	....	723	1852	2233	2638	1326
9	1418	5913	873	773	197	....	465	107	1778	1406	....	1213	2054	2314	2853	1412
10	1460	6378	890	1033	212	547	514	113	1984	1539	625	1294	2090	2707	2891	1553
1	1549	6436	914	1038	245	696	533	119	5534	1607	684	1520	2311	2950	3026	2359
2	1699	6542	985	1059	260	708	534	123	6142	1877	858	1536	2632	3018	3417	3154
3	2823	6636	1035	1516	262	721	536	124	6168	2325	1071	1615	3505	3351	3506	3165
4	2905	7090	1086	1754	279	778	567	158	6344	2437	1331	1685	3522	3535	3882	3403
5	2980	7173	1092	2164	317	874	608	174	6520	3612	1495	1861	3614	3609	3957	3502
6	3116	7204	1118	2422	349	1102	710	179	6727	3732	....	1931	3617	3727	4321	3677
7	3186	7248	1132	2441	357	1147	712	186	6740	3756	1528	2164	3938	4061	4325	4082
8	3275	7261	1283	2635	374	....	769	203	6808	4595	1547	2228	4143	4469	4438	4563
9	3569	7365	1651	2955	385	1387	776	204	6969	6836	....	2349	4411	5173	4636	4623
20	3635	7395	1681	3038	479	1467	795	209	6990	8287	1721	2466	4422	5604	4871	4639
1	4074	7405	1706	3089	541	1473	821	210	7053	8652	1894	2525	4542	5635	4993	4825
2	4108	7446	1796	3230	584	1621	895	293	7094	8796	2091	2697	4551	5756	5309	5082
3	4405	7569	1847	3235	609	1659	920	299	7135	9675	2205	3004	4935	6164	5327	5265
4	4849	7594	1960	3279	614	....	972	300	7234	9909	2263	3013	5238	6266	5490	5708
5	5407	7618	1967	3326	...	1722	1011	311	7343	9919	2404	3364	5656	6275	5588	5767
6	5766	7704	1971	3651	644	1760	1014	312	7692	10036	2641	3413	6139	6297	5641	6462
7	6129	7750	1976	3707	643	1765	1018	313	7813	10045	2912	3556	6416	6323	5865	7159
8	6185	7958	1978	3717	652	1785	1031	321	7981	10152	....	3939	6657	6427	7154	7350
9	6214	8019	1979	3810	687	....	1084	333	8043	10171	3726	4015	6708	6468	7342	7521
30	6690	8042	2096	3871	747	....	1096	338	8080	10521	4744	4137	6718	6484	7512	8110
1	7040	8141	2380	3891	804	....	1103	341	8085	10554	4757	4671	6790	6853	7764	8294
2	7222	8142	2409	3897	837	....	1109	344	8293	10756	4784	4717	6791	7622	8296	8685
3	7293	8151	2571	3968	826	1911	1135	407	8960½	11071	5211	4799	6798	7921	8889	9039
4	7293	8269	2595	4099	892	2099	1191	428	9150	11120	5252	4843	6950	7931	9548	9153
5	7359	8305	2629	4172	884	....	1196	432	9255	11181	....	5457	7324	8046	10269	9806
6	7418	8406	2643	4252	987	2153	1216	435	9708	11262	5403	5703	7339	8122	10348	10014
7	7476	8409	2865	4279	1057	2245	1223	470	9928	12663	....	5774	7347	8178	10420	10122
8	7478	8442	2937	4488	1070	2292	1239	472	10241	12670	5817	5780	7840	8277	11701	10133
9	7502	8959	2956	4536	1178	2365	1261	492	10383	12707	5821	5850	8020	8289	12269	10477
40	7530	8967	3009	4808	1221	....	1293	492	10443	51	5908	5928	8185	8300	12371	10585
1	7603	8970	3458	4910	1278	2410	1306	509	10525	125	6364	5966	8200	8346	12507	10592
2	7712	8978	3463	4977	1299	....	1313	565	10578	167	6555	6043	8462	8506	12577	10785
3	7763	9658	3466	5018	1365	....	1350	596	10579	403	7023	6276	8590	8656	12582	11238
4	7915	9733	3537	5346	1375	2485	1363	664	10972	491	....	6381	8823	8750	12643	11824
5	7952	9844	3570	5366	1378	....	1366	677	11028	530	....	6535	8973	9082	12680	12140
6	7994	10159	3573	5631	1449	2545	1367	679	11102	838	7988	6661	9128	9293	12714	12674
7	8288	10211	3812	5651	1450	2563	1371	686	11138	1133	8248	6667	9219	9508		
8	8488	1846	3835	5657	1466	2599	1380	694	11279	1111	....	6974	9240	9588		
9	8520	2002	4055	5658	1526	2649	1382	715	11307	1246	10093	6994	9423	9592		

No.	β	A	Hu	Ho	OΣ	See	A. G.	Hd	Hn	Es	Kr	Ku	Howe	Stone	
50	8710	2564	4078	5705	1568	2660	1414	748	11318	1395	10126	7281	9527	10272	
1	8804	2578	4243	5810	1598	....	1423	750	11823	1434	10516	7381	9587	10345	
2	9009	2633	4270	6133	1614	....	1435	952	11856	1669	10547	7582	9728	10358	
3	9424	2654	4316	6151	1639	2759	1446	955	11981	1680	....	7616	10082	10505	
4	9507	3178	4336	6244	1710	2814	1451	975	12006	1775	11132	7743	10190	10852	
5	9594	3201	5073	6428	1715	....	1456	999	12101	2008	11314	7765	10626	11254	
6	9864	3217	5087	6665	1729	3024	1474	1142	12104	2289	11331	8225	10958	11398	
7	9884	3592	6923	6761	1755	3066	1478	1167	12192	2403	11635	9160	11188	11583	
8	9924	3626	8446	6774	1766	3128	1481	1425	12459	2455	11672	9910	11249	12086	
9	10047	3644	8465	6973	1797	3132	1496	1488	12683	2631	11748	10255	11422	12377	
												10957	11489		
60	10207	3645	8473	7177	1793	....	1525	1491	12696	2653	11761	11000	11644		
1	10228	3704	8478	7217	1828	....	1564	1497	309	2663	11830	11351	12146		
2	10247	5204½	8499	7235	1849	3222	1569	1541	540	2685	12156	11567	12342		
3	10266	5262	8523	7328	1864	3228	1606	1867	1316	2809	....	11681	12692		
4	10487	5294	8532	7656	1897	3244	1622	2005	1417	2922	12287	11747			
5	10520	5381	8586	7789	1900	....	1666	2006	1748	3350	12438	12054			
6	10538	5512	8575	7848	1906	....	1670	2046	1925	3386	....				
7	10566	5536	8577	7950	1927	3419	1714	2196	1947	3627	12753				
8	10669	5616	8589	8051	1961	3453	1750	2366	1951	3637					
9	10689	5670	8592	8101	1966	....	1758	2778	1957	3638					
70	10714	5795	8668	8158	1998	....	1817	2785	1970	4432					
1	10782	5832	8958	8232	2022	3695	1819	2795	1972	4468					
2	11006	5834	9205	8245	2043	3722	1823	2797	2021	4899					
3	11026	5839	9250	8259	2073	3772	1840	2804	2702	6051					
4	11068	5877	9268	8276	2068	3776	1896	2818	2708	6117					
5	11346	5957	9336	8286	2092	3969	1958	2859	2753	6143					
6	11756	6031	9578	8309	2095	4009	1981	2877	2824	7756					
7	11803	6054	9646	8322	2093	....	1994	2897	2953	7894					
8	12176	6170	9812	8352	2097	4033	2055	2899	2993	8283					
9	12276	6172	9817	8363	2134	4071	2119	2949	3316	8351					
80	12290	6567	9930	8397	2146	4112	2235	3088	3511	9284					
1	12443	7133	10599	8407	2163	4119	2322	3151	3531	9331					
2	758	7275	10629	8422	2154	....	2339	3312	3661	9333					
3	1420	8410	10638	8534	2225	4156	2453	3538	3665	9625					
4	1640	8436	10734	8545	2236	4207	2454	3574	3805	9661					
5	1943	8546	10776	8552	2257	4240	2482	3578	3910	9883					
6	2100	8559	10895	8648	2270	4281	2484	3597	3932	9914					
7	2149	8612	11078	8698	2271	4292	2486	3598	3996	9970					
8	2287	8679	11117	8764	2394	....	2492	3599	4000	10406					
9	2863	8737	11288	8901	2425	....	2518	3610	4198	10411					
90	2857	8768	11859	8915	2415	4354	2552	3620	4214	10433					
1	2961	8813	11928	8936	2428	....	2555	3658	4217	10475					
2	2970	8880	11942	8982	2445	....	2589	3680	4342	10477					
3	2979	8883	12011	8987	2464	....	2621	3740	4373	10552					
4	3008	9047	12168	8998	2504	....	2689	3781	4381	10570					
5	3029	9077	12318	9032	2509	4412	2800	3773	4540	10628					
6	3271	9100	12568	9036	2516	....	2805	3791	4617	10727½					
7	3355	9108	12602	9044	2506	....	2810	3838	4690	10870					
8	3452	9121	12646	9059	2535	....	2811	3859	5076	10918					
9	3760	9147	12665	9060	2549	....	2884	3864	5213	11020					

No.	β	A	Hu	Ho	OΣ	See	A. G.	Hd	Hn	Es
100	3764	9163	12733	9069	2554	....	2988	3865	5367	11021
1	4310	9209	1736	9131	2566	4716	3014	3867	5375	11108
2	4538	9231	1773	9187	2592	....	3057	3959	5396	11128
3	4853	9257	1831	9191	2623	....	3094	3978	5401	11494
4	4966	9271	2351	9231	2668	....	3104	4053	5402	11698
5	5062	9422	2918	9252	2676	4772	3144	4060	5417	11809
6	7012	9452	3199	9323	2684	4762	3189	4153	....	11882
7	247	9471	3265	9397	2729	4862	3215	4167	5488	12158
8	292	9596	3283	9409	2756	....	3223	4187	5513	12364
9	364	12395	3371	9483	2816	....	3297	4300	5540	12421
110	711	12745	3376	9491	2817	....	3334	4303	5555	12431
1	5559	270	3769	9512	2825	....	3348	4350	5606	12480
2	6345	809	3795	9523	2866	....	3374	4356	....	12671
3	6500	2258	3955	9543	2885	5122	3384	4455	5958	[illegible]
4	6528	2331	4225	9619	2903	....	3398	4473	....	29
5	6616	2431	4504	9725	2936	....	3399	4509	....	166
6	6811	2911	4582	9736	2941	5204	3473	4510	....	250
7	6896	2925	4672	9853	2960	....	3517	4511	6276	290
8	7041	2931	4722	9856	2972	....	3524	4532	....	473
9	7117	3091	4766	9951	2975	....	3576	4756	....	668
120	7533	3102	4773	10001	3023	....	3589	4852	7039	1428
1	7336	3173	4781	10002	3062	....	3591	4952	....	1734
2	7340	3583	4873	10037	3035	....	3623	5009	7312	2000
3	7786	4943	4902	10050	3033	....	3655	5075	7357	5887
4	7887	4989	4954	10118	3078	....	3699	5284	....	6103
5	7891	5026	4997	10116	3083	....	3708	5319	7458	6380
6	7943	5031	5022	10121	3081	....	3712	5325	7462	8758
7	7951	5040	5132	10150	3092	....	3718	5331	7494	8875
8	8000	5091	5636	10180	3099	....	3724	5524	7577	9200
9	8014	5092	5737	10219	3133	....	3753	5800	7607	9438
130	8235	5115	5742	10220	3139	....	3756	5823	7620	9668
1	8414	5146	5845	10240	3142	....	3765	6127	....	9764
2	8390	5591	6000	10294	3148	....	3770	6131	7933	9997
3	8549	5630	6071	10295	3159	....	3778	6139	7980	10014
4	8571	5634	6219	10357	3176	....	3787	6238	7989	10541
5	8670	5717	6273	10407	3245	5916	3808	6297	7997	10619
6	8740	5745	6279	10408	3322	....	3816	6443	....	10682
7	8909	5776	6356	10430	3313	....	3822	6473	8084	10930
8	9106	5782	6781	10469	3335	....	3983	6857	8103	10941
9	9116	5826	6792	10482	3353	....	3997	6896	8227	10940
140	9154	5898	6906	10492	3372	....	4041	7340	8275	11147
1	9253	5999	7010	10517	3405	....	4057	7519	8419	11202
2	9313	6056	7054	10532	3410	....	4200	7678	8427	11332
3	9387	6096	7142	10531	3422	....	4208	7846	8458	11333
4	9481	6098	7147	10581	3431	....	4297	7946	8533	11357
5	9524	6123	7188	10587	3437	....	4315	7973	8730	11407
6	9590	6320	7231	10598	3440	....	4339	8000	8744	11587
7	9623	6807	7240	10667	3443	....	4428	8214	8823	11714
8	9663	6845	7255	10672	3456	....	4435	8332	8839	11790
9	9769	6860	7266	10739	3474	....	4441	8371	9226	12495

No.	β	A	Hu	Ho	OΣ	See	A. G.	Hd	Hn	Es	No.	β	A	Hu	Ho	OΣ	See	A. G.
150	9973	9087	7282	10753	3497	6152	4462	8965	9239	12536	**200**	4164	12251	10372	12403	5055	6743	7483
1	10363	9097	7311	10788	3507	....	4483	8991	9255		**1**	4192	12256	462	12462	5056	....	7499
2	10488	9099	7397	10817	3518	6163	4635	9111	9367		**2**	4409	12293	535	12476	5067	6782	7508
3	10500	9126	7406	10879	3550	....	4669	9364	9720		**3**	4413	12734	1311	12486	5120	6743	7523
4	10574	9129	7485	10887	3562	....	4682	9497	9867		**4**	4494	555	1412	12606	5164	....	7694
5	10588	9175	7507	10909	3584	....	4797	9741	9878		**5**	4668	1152	1419	12621	5177	....	7745
6	10696	9176	7528	10931	3601	....	4802	9886	9888		**6**	4684	1177	1437	12667	5178	....	7770
7	10727	9182	7584	10949	3615	....	4804	10352	10019		**7**	4708	1190	1769	12669	5219	....	7802
8	10743	9190	7629	10965	3641	....	4833	10398	10128		**8**	4714	1511	1857	12697	5223	....	7875
9	10808	9327	7788	10993	3678	....	4845	10419	10248		**9**	4730	1524	1876	12703	5232	....	8034
160	10824	9351	7809	11003	3681	....	4907	10478	10295		**210**	4867	2569	1989	194	5281	....	8091
1	10855	9378	7811	11040	3690	....	4918	10507	10297		**1**	4901	2580	2029	278	5304	....	8109
2	10871	9430	7812	11053	3752	....	4925	10765	10455		**2**	5001	2601	2067	314	5345	....	8123
3	10880	9443	7829	11085	3768	....	4976	10778	10472		**3**	5106	2569	2131	551	5349	7003	8161
4	10969	9478	7844	11173	3821	....	5051	10844	10496		**4**	5181	3117	2360	606	5398	....	8190
5	11056	9490	7851	11179	3844	....	5053	10976	10651		**5**	5244	3131	2436	624	5365	....	8239
6	11076	9510	7862	11210	3876	....	5088	11056	10975		**6**	5263	3448	2540	1264	5409	....	8362
7	11088	9530	7879	11216	3880	....	5102	11207	11186		**7**	5325	3472	2746	1442	5431	....	8437
8	11317	9709	7880	11244	3878	....	5117	11317	11413		**8**	5329	3554	3393	1465	5437	....	8484
9	11369	9807	7890	11281	3931	....	5189	11476	11768		**9**	5408	3577	3464	1506	5444	....	8486
170	11512	10287	7897	11297	3949	....	5250	11596	12218		**220**	5702	3686	3486	1954	5445	....	8492
1	11580	10480	7919	11311	4043	....	5258	11896	12277		**1**	6421	5016	3884	1996	5461	....	8497
2	11691	10489	7934	11315	4073	....	5629	11950			**2**	6443	5077	4372	2444	5493	7175	8516
3	11738	10502	7967	11345	4120	....	5637	12012			**3**	6610	5079	4391	2500	5500	7178	8583
4	11750	10518	7990	11365	4129	6437	5760	12114			**4**	6766	5125	4552	2491	5515	....	8708
5	11832	10630	8010	11436	4130	....	5835	12331			**5**	6857	7585	4888	2676	5517	....	8729
6	11920	10666	8033	11440	4181	....	6106	12360			**6**	6941	7635	4922	2721	5519	7197	8865
7	12012	10711	8035	11451	4191	....	6160	12452			**7**	7201	7762	4953	3055	5527	7198	9037
8	12046	10726	8048	11555	....	....	6191	12565			**8**	7208	7871	5118	3141	5558	....	9183
9	12108	10805	8056	11566	4226	....	6201	12566			**9**	12308	7889	5169	3276	5560	....	9242
180	12177	11183	8064	11620	4238	....	6221				**230**	332	7892	5246	3290	5599	7221	9280
1	12231	11250	8089	11640	4232	....	6269				**1**	395	7949	5286	3309	5695	....	9353
2	12274	11300	8096	11687	4312	....	6272				**2**	440	7978	5899	3324	5714	7228	9435
3	995	11492	8104	11705	4322	....	6355				**3**	487	8133	7797	3337	5733	7239	9446
4	2222	11629	8106	11727	4265	....	6361				**4**	531	8221	8012	3475	5805	....	9449
5	2286	11658	8121	11724	4355	....	6394				**5**	614	8230	8271	3477	5811	....	9564
6	2350	11665	8154	11844	4399	6559	6441				**6**	633	8238	8278	3536	5837	....	9568
7	2466	11760	8165	11884	4406	....	6491				**7**	5490	8399	8509	3560	5859	....	9595
8	2639	11918	8188	11893	4505	....	6497				**8**	6912	8411	8515	3593	5986	7301	9652
9	2670	11969	8207	11965	4489	6653	6519				**9**	7070	8424	8547	3630	5895	....	9656
190	2673	12047	8250	11987	4552	6659	6554				**240**	7380	8470	8558	3690	5955	....	9683
1	2701	12085	8258	12031	4588	....	6580				**1**	7791	8474	8566	3809	5970	7321	9696
2	2968	12098	8265	12103	4638	....	6709				**2**	7984	8494	8580	3989	5990	7325	9714
3	3256	12116	8311	12135	4615	6675	6821				**3**	8355	8513	8606	3999	5988	7337	9761
4	3467	12122	8318	12160	4787	6677	6822				**4**	8356	8540	8621	4173	6026	....	9772
5	3579	12139	8386	12164	4841	....	6904				**5**	8371	8603	8633	4184	6111	....	9836
6	3892	12151	8430	12181	4866	....	7063				**6**	8456	8616	8638	4234	6114	7356	9931
7	3902	12220	8489	12214	4951	6722	7348				**7**	8617	8624	8671	4244	6145	....	9941
8	4060	12233	8687	12277	4994	....	7377				**8**	9194	8623	8697	4293	6156	....	9999
9	4053	12235	8877	12289	5023	6734	7429½				**9**	9466	8667	8723	4330	6155	....	10007

No.	β	A	Hu	Ho	OΣ	See	A. G.	No.	β	A	Hu	Ho	OΣ	See
250	10569	8693	8727	4346	6159	....	10013	**300**	8467	11259	12541	12335	7349	....
1	10787	8753	8772	4758	6181	7431	10061	**1**	436	11278	2056	12346	7392	....
2	10884	8756	8807	4864	6222	....	10094	**2**	508	11349	2075	12493	7438	....
3	41	8770	8811	5207	6256	....	10120	**3**	612	11352	2165	12501	7477	....
4	52	8805	8850	5704	6257	....	10198	**4**	1291	11405	2172	84	7482	....
5	61	8829	8853	6034	6267	7457	10222	**5**	1340	11408	2275	339	7544	....
6	146	8866	8857	6258	6312	....	10231	**6**	1398	11432	7209	425	7546	....
7	359	8890	8869	6381	6321	7463	10278	**7**	1422	11447	7232	498	7543	....
8	637	8918	8885	6466	6332	....	10355	**8**	1795	11507	7253	585	7589	....
9	990	8934	8900	6470	6393	....	10370	**9**	2044	11769	7257	733	7587	....
260	992	8937	8948	6476	6395	7465	10380	**310**	2140	11913	7272	746	7630	....
1	1409	8951	8993	6672	6415	7467	10388	**1**	2213	12187	7554	977	7636	7794
2	1424	9048	9145	6843	6420	....	10448	**2**	2366	12545	7744	1098	7634	....
3	1944	9091	9162	7008	6446	....	10454	**3**	2421	704	7746	1247	7673	....
4	8567	9120	9174	7236	....	....	10501	**4**	2460	812	8379	1253	7705	....
5	8852	9143	9227	7801	6483	....	10510	**5**	2463	1073	8389	1357	7777	....
6	9758	9148	9249	7989	6494	....	10524	**6**	2398	1312	8401	1485	7782	....
7	10427	9193	9687	8398½	6499	....	10528	**7**	2607	1394	8408	1494	7800	7821
8	10542	9256	10046	8439	6512	....	10632	**8**	2622	2730	8451	1515	7810	....
9	10707	9371	10333	8464	6524	....	10717	**9**	2744	2749	8466	1662	7814	7867
270	10818	9418	10444	8923	6630	7559	10901	**320**	2769	2852	8591	1676	7819	....
1	10881	9420	10491	8924	6663	....	10924	**1**	2889	3067	8629	1690	7825	....
2	10947	9511	10576	9220	6671	....	11048	**2**	2900	3082	8642	1695	7832	....
3	11060	9550	10724	9393	6676	....	11098	**3**	3251	3292	8676	1808	7873	....
4	11178	9606	10861	9419	6724	....	11137	**4**	3652	3362	8726	1890	7883	....
5	11409	9727	10933	9649	6732	....	11166	**5**	3679	3558	8769	1936	7900	7961
6	11410	9791	10999	9774	6731	....	11233	**6**	3715	3744	8834	2050	7940	7966
7	11888	9832	11018	10129	6758	7610	11240	**7**	3746	3842	8851	2052	7936	....
8	12316	9927	11169	10223	6764	7614	11358	**8**	3839	3879	8854	2110	7944	....
9	12523	9932	11174	10346	6770	....	11393	**9**	3866	3881	8931	2150	8007	8018
280	12655	9933	11176	10543	6763	....	11546	**330**	3975	3888	8939	2170	8041	8024
1	12709	9977	11269	10700	6820	....	11601	**1**	3998	3895	8942	2175	8055	....
2	7907	10002	11415	10705	6868	....	11713	**2**	4080	4023	8945	2319	8071	8029
3	8285	10049	11439	10807	6923	....	11798	**3**	4403	4030	9102	2320	8083	....
4	8443	10067	11515	10848	6963	....	11868	**4**	4453	4271	9104	2624	8143	....
5	8448	10095	11544	10853	7001	7719	11891	**5**	4785	4472	9130	2791	8157	....
6	8429	10109	11585	10908	7028	7727	11941	**6**	4970	4541	9180	2952	8180	8102
7	9020	10156	11627	10954	7044	....	11947	**7**	5057	4543	9203	3045	8186	8130
8	10395	10167	11876	11054	7049	....	11984	**8**	5061	4568	9237	3302	8210	....
9	10891	10179	11922	11554	7065	....	12133	**9**	5126	4695	9289	3370	8242	....
290	11716	10204	11944	11562	7076	....	12216	**340**	5803	4720	9340	3409	8148	....
1	11732	10214	11959	11588	7103	7773	12254	**1**	6363	4872	9403	3483	8353	....
2	8413	10232	12315	11682	7181	....	12359	**2**	6433	4932	9454	3792	8359	....
3	8868	10238	12319	11800	7187	....	12427	**3**	6649	5150	9541	3905	8364	....
4	10033	10865	12328	11851	7186	....	12534	**4**	6688	5228	9599	3937	8391	....
5	10054	10915	12329	11873	7192	....	12558	**5**	6951	5467	9610	4005	8418	....
6	10207	11059	12334	11895	7276	....	12635	**6**	7006	6728	9621	4042	8454	8313
7	10266	11116	12368	11973	7320	....	12648	**7**	7046	6944	9624	4246	8537	....
8	10401	11170	12419	12016	7332	....	12668	**8**	7096	7568	9629	4382	....	8423
9	8459	11204	12426	12238	7333	....	12686	**9**	7136	7716	9654	4396	8468	8434

No.	β	A	Hu	Ho	OΣ	See	No.	β	A	Hu	Ho	OΣ	See
350	7174	7799	9676	4408	8561	8480	**400**	1602	10644	12280	7473	9979	9773
1	7189	8044	9685	4437	8575	....	**1**	1907	10877	1	7560	10008	9788
2	7195	8061	9803	4464	8588	8526	**2**	2167	11124	25	7597	10028	....
3	7218	8412	9841	4587	8578	....	**3**	2194	11195	91	7601	10041	....
4	7358	8657	9940	4731	8622	8597	**4**	2427	11264	100	7611	10074	....
5	7527	8661	9947	4739	8636	8647	**5**	2986	11265	103	7628	10103	9874
6	7683	8682	10068	4812	8650	8719	**6**	2995	11418	170	7657	10141	9896
7	7856	8747	10080	4844	8659	8738	**7**	4831	11493	201	7662	10281	....
8	8177	8882	10092	4875	8663	8742	**8**	4851	11539	207	7787	10338	....
9	9024	8984	10117	4877	8662	....	**9**	4895	11570	227	7806	10405	9868
360	9213	8996	10125	4879	8690	8766	**410**	4958	11607	327	7824	10423	....
1	9659	9040	10181	4905	8749	....	**1**	5491	11670	336	7843	10473	9998
2	10141	9109	10400	4996	8819	8818	**2**	6041	11707	382	7886	10523	10039
3	10264	9169	10647	4998	8828	....	**3**	6635	11880	418	7963	10533	.....
4	10519	9283	10740	5020	8892	8893	**4**	6952	11923	451	7983	10534	10089
5	10544	9290	10771	5085	8932	....	**5**	7404	12009	628	7995	10565	.....
6	10557	9366	10769	5089	9146	....	**6**	7929	12067	705	8030	10590	10127
7	10607	9392	10790	5134	9152	....	**7**	8252	12143	717	8050	10591	.....
8	10731	9437	10875	5161	9157	8992	**8**	8358	12226	745	8090	10608	10157
9	10997	9465	10950	5224	9134	8995	**9**	8619	12278	828	8094	10610	.....
370	11058	9476	10967	5301	9171	....	**420**	8620	12396	880	8097	10606	10283
1	11121	9536	11072	5318	9167	9081	**1**	8887	12424	896	8117	10622	.....
2	11171	9553	11119	5452	9291	....	**2**	9119	12437	967	8208	10617	.....
3	11187	9575	11185	5513	9301	....	**3**	9296	12508	1001	8254	10620	10375
4	11217	9598	11201	5571	9399	....	**4**	9341	12583	1154	8261	10650	.....
5	11537	9653	11209	5580	9415	9281	**5**	9759	12636	1222	8267	10675	10432
6	11584	9669	11242	5584	9442	....	**6**	9872	12638	1229	8335	10686	10452
7	11625	9704	11247	5660	9459	....	**7**	9873	12650	1233	8365	10706	10456
8	11636	9798	11263	5664	9473	....	**8**	9908	12705	1276	8376	10766	.....
9	11668	9802	11313	5979	9489	....	**9**	9916	12723	1325	8400	10772	.....
380	11735	9866	11317	6254	9531	....	**430**	9987	31	1402	8511	10809	.....
1	11795	9906	11363	6501	9540	9361	**1**	10134	211	1532	8541	10815	10561
2	12036	9943	11371	6581	9535	....	**2**	10203	237	1649	8542	10841	10561
3	12058	9946	11642	6624	9565	9400	**3**	10257	294	1658	8581	10885	10611
4	12118	9964	11675	6828	9582	9406	**4**	10318	367	1674	8599	10902	10614
5	12201	10030	11697	6840	9613	9429	**5**	10385	377	1726	8613	10914	10673
6	12372	10034	11729	6877	9644	....	**6**	11562	441	1830	8665	10888	10683
7	12435	10051	11752	6916	9650	....	**7**	1202	483	2138	8731	10922	.....
8	12441	10055	11770	7022	9693	....	**8**	9391	516	2142	8762	10938	.....
9	12510	10053	11792	7038	9689	9475	**9**	9823	588	2208	8820	10971	10722
390	12561	10056	11815	7051	9732	9480	**440**	9916	622	2217	8864	11011	10763
1	30	10107	11849	7108	9775	9502	**1**	10076	786	2295	9027	11033	10906
2	106	10206	11865	7131	9782	....	**2**	10063	1087	2299	9063	11084	.....
3	126	10225	11871	7289	9786	9532	**3**	10188	1155	2352	9071	11100	10864
4	243	10259	11919	7297	9820	9571	**4**	.....	1180	2390	9074	11126	10878
5	335	10285	11921	7339	9833	9603	**5**	10702	1182	2472	9117	11130	.....
6	543	10347	12045	7388	9851	9628	**6**	10921	1257	2523	9120	11139	10977
7	587	10359	12074	7403	9875	....	**7**	10962	1282	2698	9172	11145	.....
8	630	10387	12120	7419	9933	....	**8**	11017	1284	3016	9288	11168	11004
9	768	10424	12264	7439	9980	....	**9**	11145	1314	3058	9320	11189	11019

No.	β	A	Hu	Ho	OΣ	See	No.	β	A	Hu	Ho	OΣ	
450	11936	1349	3134	9324	11241	.....	**500**	485	2998	12637	1591	12468	
1	12019	1351	3278	9325	11320	11111	**1**	583	3034	12743	1597	12492	
2	12078	1399	3296	9376	11347	11136	**2**	597	3120	12752	1619	12494	
3	894	1416	3299	9576	11362	11156	**3**	676	3138	44	1627	12517	
4	4539	1523	3819	9881	11364	11158	**4**	679	3160	77	1835	12520	
5	4990	1527	3911	10066	11372	.....	**5**	741	3252	159	1956	12542	
6	5848	1562	4124	10144	11376	11206	**6**	790	3468	180	2038	12570	
7	6002	1653	4190	10192	11391	.....	**7**	824	3476	213	2112	12573	
8	6017	1667	4780	10394	11397	11228	**8**	848	3478	234	2145	12575	
9	6271	1794	5358	10539	11458	.....	**9**	900	3520	257	2908	12587	
460	6479	1850	5586	10621	11472	11277	**510**	946	3563	277	2930	12596	
1	6678	1941	5723	10652	11477	11344	**1**	953	3572	284	3087	12615	
2	6890	1953	5783	10703	11506	.....	**2**	994	3648	334	3155	12651	
3	8458	1955	5838	11097	11538	11367	**3**	1036	3662	348	3216	12661	
4	8568	1968	5876	11152	11556	11438	**4**	1049	3734	371	3406	12729	
5	8800	1973	5891	11248	11568	11450	**5**	1054	3749	373	3500	600	
6	9014	2003	6176	11261	11578	.....	**6**	1091	3771	449	3603	1885	
7	9580	2047	6194	11289	11602	11460	**7**	1260	3777	549	3736	2588	
8	9585	2048	6227	11421	11621	.....	**8**	1285	3783	554	3856	2862	
9	9792	2062	6517	11444	11659	11508	**9**	1288	3815	604	3853	3426	
470	9939	2065	6525	11520	11685	11525	**520**	1338	3846	670	3929	3890	
1	10508	2077	6533	11575	11754	11628	**1**	1384	3870	689	4026	5212	
2	10688	2148	6598	11603	11773	11653	**2**	1390	3898	693	4053	5227	
3	10736	2155	6613	11632	11778	.....	**3**	1439	3917	702	4204	5371	
4	11491	2214	6757	11680	11840	11744	**4**	1471	3921	723	4519	8370	
5	11557	2238	6793	11793	11875	.....	**5**	1508	3930	755	4577	8916	
6	11593	2327	6991	11810	11928	11934	**6**	1565	3964	809	4585	10261	
7	11614	2361	7007	11813	11930	.....	**7**	1567	4022	822	4590	10749	
8	11752	2399	7373	11818	11936	12071	**8**	1580	4067	841	4621	11061	
9	11788	2440	7536	11858	11938	12219	**9**	1624	4068	846	4738	11962	
480	11899	2470	7564	11861	11966	.....	**530**	1617	4102	855	4934	12000	
1	12119	2508	7591	11951	11970	12260	**1**	1692	4144	859	5394	2027	
2	12700	2512	7598	12008	12032	12298	**2**	1762	4154	915	5546	9724	
3	26	2559	7636	12029	12094	.....	**3**	1774	4161	918	5593	10390	
4	33	2561	7666	12084	12088	12357	**4**	1807	4176	932	5985	8344	
5	43	2567	7706	12149	12130	12366	**5**	1834	4185	1157	6007	10829	
6	81	2700	7707	12170	12138	12357	**6**	1856	4189	1225	6136	12090	
7	101	2720	7721	12186	12144	.....	**7**	1866	4328	1254	6210	11390	
8	181	2752	7916	12311	12170	.....	**8**	1880	4347	1360	6316	7563	
9	198	2827	7924	12363	12196	.....	**9**	1901	4395	1370	6379	5706	
490	314	2855	11002	12742	12207	.....	**540**	1940	4401	1391	6505	1757	
1	354	2872	11455	182	12232	.....	**1**	1945	4424	1538	6824	9973	
2	401	2893	11497	416	12224	12447	**2**	1953	4433	1543	6879	7244	
3	405	2910	11693	539	12299	12469	**3**	1962	4440	1603	6882	8571	
4	420	2928	11890	548	12312	.....	**4**	2013	4443	1616	6891	8955	
5	431	2935	12055	550	12348	.....	**5**	2026	4478	1638	6927	3074	
6	452	2933	12221	927	12405	.....	**6**	2059	4525	1863	7016	8819	
7	458	2944	12277	1140	12408	12599	**7**	2084	4572	2018	7196	12740	
8	464	2989	12458	1504	12415	12607	**8**	2114	4573	2074	7207		
9	488	2991	12586	1566	12428	.....	**9**	2226	4584	2171	7304		

No.	β	A	Hu	Ho
550	2266	4627	2211	7526
1	2368	4634	2242	7547
2	2383	4748	2324	7670
3	2426	4752	2370	7715
4	2459	4919	2374	7821
5	2605	5278	2397	7857
6	2715	5499	2583	7868
7	2771	5526	2831	7908
8	2796	5726	3013	7918
9	2964	5808	3099	8124
560	2977	5868	3109	8138
1	2974	5978	3358	8212
2	3035	6220	3367	8229
3	3036	6280	3513	8310
4	3100	6340	3566	8316
5	3196	6465	5143	8326
6	3248	6467	5373	8508
7	3260	6523	5585	8653
8	3357	6658	5598	8774
9	3368	6702	6079	8872
570	3402	6913	6080	9058
1	3526	6949	6199	9070
2	3781	7148	6404	9079
3	3794	7238	6418	9127
4	3841	7767	6933	9178
5	3934	7784	6972	9188
6	4561	8450	6996	9221
7	3990	8487	7308	9224
8	4076	8491	7335	9358
9	4120	8495	7353	9537
580	4233	8554	7360	9695
1	4414	8587	8524	9739
2	4418	8593	8536	9779
3	4459	8600	8610	9780
4	4705	8627	8808	9809
5	4715	9408	10075	9826
6	4783	8720	10201	9838
7	4828	8952	10263	9976
8	5004	8972	10415	10064
9	5086	9010	10677	10032
590	5097	9110	10728	10069
1	5114	9125	10963	10073
2	5251	9272	10987	10091
3	5342	9345	11044	10138
4	5409	9348	11092	10265
5	5565	9396	11634	10441
6	5570	9398	11719	10555
7	5600	9426	12259	10594
8	5639	9472	12282	10642
9	5676	9581	12397	10689
600	5732	9615	12679	10693
1	5796	9616	225	10903
2	5912	9631	615	10907
3	5926	9715	12895	11045
4	5929	9742	12913	11055
5	6127	9746	1593	11218
6	6165	9754	1932	11232
7	6238	9757	12978	11252
8	6410	9870	2179	11255
9	6409	9912	2181	11353
610	6473	10249	2262	11443
1	6557	10511	2264	11496
2	6578	10568	2335	11505
3	6656	10571	13046	11602
4	6663	10582	13051	11612
5	6846	10678	3642	11666
6	6915	10890	3668	11712
7	7009	10916	13114	11821
8	7150	10984	3855	11847
9	7367	10996	3950	11961
620	7374	11348	13131	12182
1	7414	11356	4066	12399
2	7444	11379	4136	12708
3	7472	11502	13150	
4	7590	11561	4495	
5	7624	11574	4527	
6	7648	11594	4553	
7	7779	11655	4641	
8	7955	11660	4866	
9	7945	11692	5176	
630	7964	11689	5197	
1	8100	12020	5295	
2	8180	12025	5344	
3	8274	12070	5361	
4	8284	12079	5363	
5	8304	12123	5434	
6	8367	12153	5462	
7	8388	12203	5622	
8	8393	12268	5667	
9	8467	12301	5719	
640	8507	12324½	6281	
1	8514	12428	6328	
2	8630	12473	13238	
3	8654	12488	6383	
4	8664	12516	6454	
5	8755	12578	6576	
6	8908	12763	6715	
7	8912	12771	7026	
8	8933	12774	7069	
9	8953	12780	7260	
650	9382	12794	7274	
1	9372	12799½	7298	
2	9394	12804	7345	
3	9404	12808	7355	
4	9417	12809	7366	
5	9427	12831	7370	
6	9520	12834	13323	
7	9562	12840	7393	
8	9569	12890	7436	
9	9718	12892	7475	
660	10031	12899	7513	
1	10077	2596	13345	
2	10105	3098	7595	
3	10163	3107	7650	
4	10176	3122	7754	
5	10168	3140	7761	
6	10187	3237	13354	
7	10035	13095	13358	
8	10289	3261	7937	
9	10298	3352	7969	
670	10310	3447	7977	
1	10340	3784	7996	
2	10367	3926	8026	
3	10439	13135	8053	
4	10459	4224	8416	
5	10476	13145	8691	
6	10512	5666	8927	
7	10527	13212	8960	
8	10656	5864	8964	
9	10738	5893	9460	
680	10747	13220	9542	
1	10819	6015	9622	
2	10828	6016	9647	
3	10980	13241	9651	
4	11007	13243	9692	
5	11014	13252	9703	
6	11129	13255	9710	
7	11151	13256	9749	
8	11200	13275	9762	
9	11213	13294	9793	
690	11227	13298	10493	
1	11236	7166	10748	
2	11283	13347	10899	
3	11350	13349	11224	
4	11459	13389	11308	
5	11463	13391	11589	
6	11464	13392	11622	
7	11499	13395	12528	
8	11553	13400	12584	
9	11579	13402	12597	
700	11731	13417	12690	
1	11736	13439	3200	
2	11772	13442	3341	
3	11786	13445	3345	
4	11791	13448	3786	
5	11812	13454	3830	
6	11827	13455	4035	
7	11817	13462	4126	
8	11842	13463	4201	
9	11903	13465	4223	
710	11917	13469	4228	
1	11943	13472	4313	
2	12060	13474	4314	
3	12069	13476	4390	
4	12237	13477	4599	
5	12242	13487	4616	
6	12255	13494	4647	
7	12285	13496	4657	
8	12325	9660	4876	
9	12346	9828	4894	
720	12432	9849	4897	
1	12450	13510	4903	
2	12477	13513	4916	
3	12498	10024	5159	
4	12502	13529	5165	
5	12524	10158	5279	
6	12549	10175	5611	
7	12559	10195	5822	
8	12605	10200	5851	
9	12631	13530	5917	
730	12664	10237	5938	
1	12677	10251	5942	
2	12687	10254	5976	
3	12701	10291	5980	
4	466	10284	5991	
5	562	10296	6078	
6	923	13535	6099	
7	1201	10328	6141	
8	1252	10343	6252	
9	1263	13536	6384	
740	1422	13537	6450	
1	1507	13538	6547	
2	1687	10376	6735	
3	1922	10382	6962	
4	2159	10384	7112	
5	2192	13540	7114	
6	2252	10421	7319	
7	2265	10433	7424	
8	2392	10434	7653	
9	2497	13545	7904	

No.	β	A	Hu
750	2521	13551	7941
1	2534	10618	8072
2	2929	10631	8079
3	3414	13553	8266
4	3493	10641	8763
5	3504	10649	8806
6	3611	10660	8835
7	3920	10657	9011
8	4052	10759	9627
9	8387	13562	9879
760	8449	10793	10292
1	9455	13563	10324
2	10027	10927	10602
3	10139	10937	10636
4	10634	10964	10658
5	10646	10973	10762
6	10935	10990	10789
7	10970	11027	10833
8	11341	11034	10839
9	11543	11036	10892
770	11802	11038	10893
1	11835	11050	11075
2	12052	11140	11404
3	12154	13588	11419
4	12412	13592	11424
5	12456	13600	11426
6	112	13601	11479
7	156	13603	11604
8	200	11430	11887
9	217	11435	11879
780	271	13605	11901
1	445	13607	11909
2	700	11652	11949
3	851	11762	11953
4	922	13624	11958
5	1051	12107	12057
6	1171	12206	12249
7	1751	12253	12252
8	1759	12350	12250
9	2231	12352	12262
790	5339	12367	12283
1	5747	12433	12455
2	5881	12588	12474
3	5889	12589	12499
4	5951	12590	12496
5	5990	12594	12504
6	6109	12595	12533
7	6209	12632	12576
8	6374	12630	12699
9	6389	12652	12710

No.	β	A	Hu
800	6442	12711	12730
1	6625	12759	419
2	6642	12761	477
3	6747	12767	656
4	6939	12775	917
5	6945	12779	982
6	6946	12787	1058
7	6968	12791	1153
8	7073	12792	1203
9	7137	12796	1334
810	7421	12802	1486
1	7498	12806	1533
2	7505	12813	1552
3	7638	12837	1811
4	7639	12842	1904
5	7640	12851	1946
6	7668	12852	2104
7	7669	12856	2113
8	7677	12872	2377
9	7685	12873	2382
820	7699	12875	2477
1	7785	12880½	2562
2	7847	12893	2572
3	7863	12900	2614
4	8172	12901	2868
5	8325	12908	2874
6	8368	12910	3087
7	9551	12919	3124
8	9604	12929	13096
9	9633	12937	13098
830	9721	12944	13099
1	9753	12959	13100
2	9890	12960	13101
3	9963	12976	13112
4	10495	12986	13115
5	10707	12989	13119
6	10754	13000	13124
7	10760	13004	13125
8	10910	13005	13128
9	10929	13008	13129
840	11309	13023	13132
1	11343	13026	13136
2	11521	13036	13137
3	11704	13047	13139
4	11759	13048	13141
5	11912	13049	13142
6	11995	13050	13143
7	12043	13055	13146
8	12059	13059	13148
9	12075	13062	13152

No.	β	A	Hu
850	12106	13064	13153
1	12131	13065	13155
2	12205	13066	13159
3	12279	13070	13160
4	12345	13102	13161
5	12475	13103	13162
6	12484	13333	13164
7	12505	13404	13167
8	12510	13427	13168
9	12609	13428	13171
860	12682	13434	13172
1	12716	13436	13173
2	12732	13437	13174
3	12747	13446	13175
4	67	13492	13176
5	402	13505	13177
6	414	13507	13179
7	527	13511	13180
8	603	13518	13183
9	832	13531	13185
870	887	13532	13187
1	942	13533	13186
2	1052	13534	13191
3	1066	13539	13192
4	1122	13541	13195
5	1217	13543	13196
6	1240	13544	13197
7	1462	13552	13200
8	1720	13556	13202
9	1724	13558	13203
880	1836	13559	13204
1	2268	13561	13205
2	2297	13564	13207
3	2381	13566	13208
4	2496	13567	13209
5	2565	13569	13210
5½	2616	.....	.....
6	2669	13571	13211
7	2672	13574	13216
8	2690	13578	13217
9	2728	13591	13219
890	2740	13595	13222
1	2763	13596	13224
2	2965	13604	13230
3	3121	13609	13231
4	3258	13611	13234
5	3291	13616	13246
6	3416	13647	13249
7	3650	13651	13251
8	3659	13654	13253
9	3743	13659	13261

No.	β	A	Hu
900	3718	13662	13265
1	3986	12760	13266
2	4364	12762	13268
3	4420	12764	13272
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5	4537	12768	13280
6	4545	12769	13288
7	4562	12773	13290
8	4985	12776	13289
9	5129	12781	13306
910	5141	12782	13314
1	5334	12784	13320
2	5410	12785	13328
3	5535	12789	13334
4	5552	12790	13335
5	5573	12793	13339
6	5710	12797	13342
7	5888	12799	13355
8	5974	12803	13366
9	5983	12805	13370
920	6094	12807	13371
1	6112	12810	13374
2	6167	12811	13376
3	6177	12812	13385
4	6245	12814	13396
5	6319	12819	13406
6	6326	12820	13413
7	6352	12822	13415
8	6362	12823	13416
9	6367	12824	13419
930	6386	12825	13420
1	6411	12826	13422
2	6534	12828	13423
3	6541	12830	13426
4	6572	12835	13429
5	6618	12836	13430
6	6681	12841	13432
7	6687	12843	13433
8	6717	12845	13441
9	6768	12846	13443
940	6876	12848	13444
1	6931	12849	13449
2	7047	12853	13450
3	7203	12854	13453
4	7299	12857	13470
5	7302	12858	13475
6	7402	12859	13478
7	7493	12860	13479
8	7495	12862	13480
9	7506	12863	13481

No.	β	A	Hu
950	7617	12865	13483
1	7619	12866	13482
2	7691	12867	13488
3	7726	12868	13490
4	7804	12869	13499
5	7835	12870	13500
6	7888	12874	13506
7	7912	12876	13522
8	7917	12878	13526
9	7975	12881	13557
960	8087	12884	13565
1	8095	12885	13568
2	8099	12886	13570
3	8095	12887	13577
4	8218	12889	13579
5	8544	12894	13580
6	8614	12896	13581
7	8709	12897	13582
8	8788	12898	13583
9	8837	12906	13586
970	8846	12907	13589
1	8849	12909	13590
2	8911	12914	13594
3	8973	12915	13598
4	9007	12916	13599
5	9152	12925	13602
6	9384	12926	13606
7	9501	12928	13610
8	9678	12932	13613
9	9686	12935	13617
980	9752	12936	13618
1	9767	12938	13620
2	9989	12940	13621
3	10040	12941	13622
4	10072	12946	13626
5	10090	12949	13627
6	10109	12951	13628
7	10271	12952	13630
8	10755	12953	13631
9	11222	12954	13632
990	11500	12955	13635
1	11597	12957	13637
2	12273	12963	13638
3	12525	12964	13639
4	12529	12966	13641
5	12562	12967	13642
6	12608	12970	13644
7	12736	12972	13645
8	74	12975	13648
9	758	12980	13649

No.	β	A	Hu	No.	β	A	Hu	No.	β	A	Hu	No.	β	A	Hu
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1	957	12982	12756	**1**	2875	13104	12922	**1**	732	13264	13045	**1**	12410	13377	13281
2	1433	12983	12757	**2**	2913	13105	12923	**2**	754	13267	13052	**2**	12569	13379	13284
3	1878	12985	12758	**3**	3020	13106	12924	**3**	872	13269	13053	**3**	12611	13380	13285
4	2016	12987	12765	**4**	3022	13107	12927	**4**	885	13270	13054	**4**	12672	13382	13287
5	2025	12988	12770	**5**	3073	13108	12930	**5**	1883	13273	13058	**5**	3	13383	13291
6	2576	12991	12772	**6**	3111	13109	12931	**6**	1898	13276	13063	**6**	202	13384	13292
7	2896	12993	12777	**7**	3133	13110	12933	**7**	6488	13277	13067	**7**	226	13386	13293
8	3239	12994	12778	**8**	3191	13111	12934	**8**	6657	13278	13068	**8**	254	13387	13300
9	3862	12995	12783	**9**	3330	13113	12939	**9**	6733	13279	13073	**9**	347	13388	13301
1010	12051	13002	12786	**1060**	3747	13116	12942	**1110**	6805	13282	13075	**1160**	438	13390	13304
1	12115	13003	12788	**1**	4197	13117	12943	**1**	6842	13283	13077	**1**	537	13393	13305
2	12456	13007	12795	**2**	4260	13118	12945	**2**	6905	13286	13079	**2**	619	13394	13309
3	12571	13009	12798	**3**	4290	13120	12947	**3**	7005	13295	13082	**3**	743	13398	13311
4	7	13010	12800	**4**	4480	13121	12948	**4**	7270	13296	13085	**4**	765	13399	13313
5	150	13011	12801	**5**	4529	13122	12950	**5**	7609	13297	13087	**5**	789	13407	13316
6	956	13012	12815	**6**	4593	13123	12956	**6**	7718	13299	13088	**6**	844	13408	13317
7	3224	13014	12816	**7**	4609	13126	12958	**7**	7801	13302	13090	**7**	857	13409	13319
8	3259	13017	12817	**8**	4795	13127	12961	**8**	7885	13303	13091	**8**	966	13412	13321
9	3264	13020	12818	**9**	4806	13133	12962	**9**	7920	13307	13094	**9**	971	13418	13337
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1	3420	13027	12827	**1**	5123	13138	12968	**1**	8086	13310	13140	**1**	1205	13438	13341
2	3755	13028	12829	**2**	5303	13144	12969	**2**	8085	13312	13154	**2**	1277	13440	13344
3	3912	13029	12832	**3**	5469	13147	12971	**3**	8191	13315	13156	**3**	1501	13447	13348
4	4004	13030	12833	**4**	5481	13149	12973	**4**	8284	13318	13158	**4**	1554	13451	13359
5	12171	13031	12838	**5**	5492	13151	12974	**5**	8299	13322	13169	**5**	1555	13452	13361
6	62	13034	12839	**6**	5605	13157	12977	**6**	8306	13324	13178	**6**	1601	13456	13364
7	86	13035	12844	**7**	5652	13163	12979	**7**	8331	13325	13188	**7**	1657	13457	13365
8	488	13038	12847	**8**	5870	13165	12984	**8**	8590	13326	13189	**8**	1689	13458	13367
9	648	13039	12850	**9**	5998	13166	12990	**9**	9276	13327	13194	**9**	1709	13459	13373
1030	1584	13043	12855	**1080**	6180	13170	12992	**1130**	9416	13329	13198	**1180**	1725	13460	13378
1	2266	13044	12861	**1**	6343	13181	12996	**1**	9485	13330	13201	**1**	1803	13464	13381
2	2883	13056	12864	**2**	6348	13182	12997	**2**	9552	13437½	13206	**2**	1825	13466	13397
3	8879	13057	12871	**3**	6385	13184	12998	**3**	9801	13332	13214	**3**	1841	13467	13401
4	10616	13060	12877	**4**	6460	13190	12999	**4**	10194	13336	13215	**4**	1882	13471	13403
5	10939	13061	12879	**5**	7079	13193	13001	**5**	10276	13340	13218	**5**	2187	13473	13405
6	11251	13069	12880	**6**	7126	13199	13006	**6**	10319	13343	13223	**6**	2207	13484	13410
7	11971	13071	12882	**7**	7531	13213	13013	**7**	10639	13346	13225	**7**	2386	13485	13411
8	12596	13072	12883	**8**	7878	13221	13015	**8**	10705	13350	13226	**8**	3015	13486	13414
9	1644	13074	12888	**9**	8031	13227	13016	**9**	10708	13351	13232	**9**	3070	13489	13421
1040	1776	13076	12891	**1090**	8062	13228	13018	**1140**	10898	13352	13233	**1190**	3069	13491	13425
1	1839	13078	12902	**1**	8438	13229	13019	**1**	10995	13353	13236	**1**	3361	13495	13431
2	1977	13080	12903	**2**	11862	13235	13021	**2**	11022	13356	13237	**2**	3397	13497	13435
3	2280	13081	12904	**3**	153	13244	13022	**3**	11160	13357	13239	**3**	3647	13498	13461
4	2302	13083	12905	**4**	236	13247	13024	**4**	11924	13360	13240	**4**	4083	13501	13468
5	2433	13084	12911	**5**	239	13248	13032	**5**	11977	13362	13242	**5**	4302	13502	13493
6	2495	13086	12912	**6**	324	13250	13033	**6**	11979	13363	13245	**6**	4517	13503	13523
7	2544	13089	12917	**7**	330	13257	13037	**7**	12125	13368	13254	**7**	6703	13504	13524
8	2804	13092	12918	**8**	475	13260	13040	**8**	12385	13369	13258	**8**	7592	13508	13527
9	2808	13093	12920	**9**	489	13262	13041	**9**	12402	13372	13259	**9**	7728	13509	13542

No.	β	A	Hu	No.	β	A	No.	β
1200	7932	13512	13640	**1250**	8008	13665	**1300**	8833
1	8058	13514		**1**	8120		**1**	9593
2	8298	13515		**2**	8505		**2**	10490
3	8543	13516		**3**	8640		**3**	10814
4	9095	13517		**4**	8762		**4**	10900
5	9971	13519		**5**	8926		**5**	11221
6	10115	13520		**6**	9192		**6**	11275
7	10146	13521		**7**	9440		**7**	11715
8	10326	13525		**8**	9811		**8**	11785
9	10403	13528		**9**	10148		**9**	76
1210	10675	13546		**1260**	10149		**1310**	276
1	10691	13547		**1**	10851		**1**	352
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3	11329	13549		**3**	11211		**3**	962
4	11380	13550		**4**	11765		**4**	1286
5	11563	13554		**5**	11900		**5**	1354
6	11650	13555		**6**	12404		**6**	1441
7	11664	13560		**7**	2812		**7**	2686
8	11742	13572		**8**	3931		**8**	2741
9	11986	13573		**9**	5480		**9**	4305
1220	12257	13575		**1270**	6711		**1320**	4556
1	12388	13576		**1**	6812		**1**	5406
2	12390	13584		**2**	6813		**2**	5418
3	12540	13585		**3**	6817		**3**	6012
4	12645	13587		**4**	8476		**4**	6182
5	208	13593		**5**	1145		**5**	8538
6	255	13597		**6**	1929		**6**	8569
7	267	13608		**7**	2019		**7**	8672
8	572	13612		**8**	2081		**8**	8717
9	709	13614		**9**	3869		**9**	10668
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1	1801	13619		**1**	5437		**1**	11143
2	2045	13623		**2**	5709		**2**	12010
3	2076	13625		**3**	5711		**3**	2101
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5	2174	13633		**5**	9013		**5**	9421
6	2309	13634		**6**	9317		**6**	12472
7	2395	13636		**7**	9499			
8	2462	13643		**8**	9519			
9	2773	13646		**9**	9830			
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1	3182	13653		**1**	308			
2	3197	13655		**2**	594			
3	4499	13656		**3**	1470			
4	4502	13657		**4**	1655			
5	6131	13658		**5**	2279			
6	6803	13660		**6**	3314			
7	7899	13661		**7**	7586			
8	7979	13663		**8**	7823			
9	8002	13664		**9**	8249			

MISCELLANEOUS

Aitken

1511 1715 3835 4480 5535 6413 5929 8185 8449 8520 8669 8868 9933 10140 11207 11839 12205

Anderson

2501 3054 3439 4549 5328 8841

Barnard

605 692 1838 1856 2597 2837 3106 3533 6028 6351 7902 8189 8373 8655 8692 10091 10106 10633 10665 10925 11256 11718 11937 12096 12276 12555

Battermann

11355

Bigourdan

8471 11376

Bird

1964 4188 8256 9018

Boeger

3982

Bond

2819 2841 2851

Boothroyd

11752

Bowyer

421 2845 4811

Bryant

9567

Burnham

58 75 89 361 365 497 706 713 725 794 835 861 944 948 1008 1015 1106 1188 1243 1280 1359 1447 1455 1468 1590 1671 1805 1824 2046 2052 2168 2193 2209 2306 2329 2340 2488 2597 2627 2638 2711 2723 2726 2864 2869 2901 2962 2973 2985 3014 3030 3048 3158 3187 3246 3295 3298 3346 3490 3495 3519 3561 3604 3678 3768 3994½ 4011 4019 4128 4326 4334 4458 4491 4516 4589 4612 4699 4746 5343 5423 5478 5581 5595 6148 6162 6243 6308 6342 6426 6457 6518 6592 6796 6869 6878 6914 6919 7219 7253 7534 7593 7737 7741 7869 7905 7976 7992 8055 8291 8316 8393 8550 8631 8786 8827 8867 8954 8990 8957 9026

Burnham—*Continued*

9057 9066 9157 9189 9286 9297 9299 9349 9447 9484 9508 9528 9538 9559 9584 9602 9619 9650 9698 9741 9797 9854 9860 9871 9986 10007½ 10052 10155 10173 10314 10392 10514 10535 10540 10546 10627 10663 10744 10800 10803 10825 10936 10948 11214 11238 11239 11272 11321 11355 11397 11433 11448 11477 11526 11527 11558 11591 11657 11677 11891 11902 11905 12004 12022 12027 12099 12121 12141 12198 12202 12209 12561 12618 12678 12707 12736

Clark, Alvan

A. C. 1 = 151
2 1650
3 3220
4 3636
5 5235
6 6039
7 8162
A. C. 8 = 8228
9 8237
10 8529
11 8535
12 9755
13 595
14 763
A. C. 15 = 8372
16 9771
17 10025
18 10301
19 10863
20 11164

Clark, Alvan G.

A. G. C. 1 = 3596
2 4255
3 4786
4 6171
5 6342
6 6927
7 7453
8 8382
9 8955
A. G. C. 10 = 9574
11 9643
12 10057
13 10846
14 12532
15 24
— 2837
— 7914

Cincinnati

8614 8895 9055 9072 9138 9737 9799 10052 10290 10335 10827 12490

Cogshall

3695 3776 7175 7178 7221 7228 7457 7463 7465 7467 7559 7614 8018 8423 8443 8480 10736 10878 11438 12219 12607 12751

Collins

9547

Comstock

2824 3523 6391 7242 8210 10472 11318 11343 12487

Copeland

7664

Cordoba Zones

1238 1344 2655 3369 5902 6863 6884 6900 8281 8528 9115 10234 1112 11268 11400

Dawes

Da 1 = 10281
2 12405
3 2850
4 2841
Da 5 = 2712
6 2766
7 4187
8 698
Da 9 = 9029
10 9630
11 9839
12 9942
Da 13 = 9601
14 11148
15 11131

Dembowski

Δ 1 = 64
2 298
3 893
4 2283
5 2406
6 2466
7 2722
8 2768
9 2954
Δ 10 = 3019
11 3543
12 3832
13 4128
14 5582
15 7748
16 8147
17 8251
18 8502
Δ 19 = 9090
20 9365
21 9847
22 10213
23 10557
24 10843
25 11134
26 12483
27 12560
Δ 28 = 12659
1438
1441
1787
5537
10709
11320

Doolittle

90
494
581
616
631
867
1272
1287
2166
2907
3027
3507
4531
4768
4846
5039
5277
5489
6189
6225
6601
6655
6960
7207
7813
7874
8338
9288
9350
9451
9632
9734
9981
9990
10003
10822
11776
11780
11852
12013
12286
12671
12716

Dunér

909, 8899, 10784, 12694.

Dunlop

4449.

Edgecomb

1468, 2531.

Egbert

945 6579 6886 7247 8112 8308 8974 12551

Engelmann

2802, 12332

Espin

269
326
493
1717
1771
1802
2116
2266
2283
2667
3286
4056
8016
8503
8560
8675
8814
9088
9196
9199
9295
9517
9546
9674
9843
10563
10831
11208
11551
11784
12077
12321
12343
12547

Glasenapp

929
1588
3143
6477
6907
7371
7509
7510
7538
8066
8855
9265
9607
10086

Goldschmidt

7314

Grant

7631

Herschel, J.

621
1265
1413
1430
1431
1893
1934
2942
3963
5015
6771
7151
7251
7572
8870
9845
10281
10363
10670
11648
11906
12004
12623

Hall

830
1015
2332
2588
2694
5397
7024
7185
7277
8826
10402
10730
11114
11814

Harvard

1858, 3219, 12265, 12340.

Harvard Zones

1324
2247
2860
3069
6957
7659
8088
8596
8733
9309
9356
9810
9835
10026
10627
10680
10779
11747
12515

Hastings

1179

Holden

1837, 2849, 4771.

Holmes

1704, 6521, 10934, 12676.

Hough

2313, 4025, 4475, 4929, 8020.

Hussey

398
620
1751
4228
6145
8180
8773
8819
10622
11233
11362
11518

Innes

429
611
1503
1656
2219
3040
3263
3669
3672
3741
3790
3996
4216
4251
4294
4587
4691
4700
4904
4947
5046
5100
5220
5307
5313
5389
5784
6086
6677
7267
7325
7337
7387
7610
7877
8037
8226
10494
11062
11101
11978

Jacob

1673
3008
3207
3329
4830
5130
5800
7533
8529

Jones

686, 720.

Knott

506, 2143, 2735, 3186, 10782.

Lamont

342, 590, 3575, 4075, 4187, 10104.

Langley

8292

Lassell

11066

Leavenworth

728
1444
1851
4008
6208
7211
8403
10601
10692
11190
11529

Lewis

1000
1368
1557
2256
2301
2672
2724
2977
3223
3519
3919
5066
5354
5794
6211
6388
6999
7287
7722
7956
8055
8201
8210
8213
8333
8345
8518
8519
8555
8556
8572
8694
8695
8898
8932
9033
9264
9377
9381
9549
9785
9824
9855
10183
10307
10415
11234
11386

Maclear

3761

Madler

524
2682
4127
4340
5594
6932
7052
9120
10321

Miller
8471, 8706

Mitchel
2605, 7533, 7631, 8502, 10207

Muller
413, 12461

Newcomb
8359

Perrine
3059, 8490.

Perrotin
4820, 5517, 7858, 8830.

Perry
5140, 7363, 7852, 8378.

Pritchett
2870, 3933, 4496, 6223, 6676, 7381, 9713.

Schaeberle
4187

Schiaparelli
4771, 8299, 9282.

Schjellerup
206
1702
3002
3395
4044
4150
4210
4247
4598
4605
4832
4937
7775
7939
8135
8483
8557
8637
9093
9107
9285
9313
9722
9784
10113
10330
10392
10989
11025

Secchi
738, 5234, 9114, 10709.

See
3866 6017 8162 8475 10143 10286 10363 11180

Skinner
640
3135
3801
3827
3982
5099
6661
6742
7410
7744
8106
10494
11922

Struve, O.
5665, 7740, 8830, 9038, 9300, 9845, 9877.

Struve, H.
3521, 3593, 5951, 6923, 7636, 7935, 8131, 8736, 9041, 9902 10176.

Swift
6710, 7796, 7971.

Tarrant
1854, 2941, 7313, 8873.

Tucker
1186, 2815.

Upton
2069, 6448.

Ward
1440, 3534, 8946, 10699.

Washington Zones
4793, 6935, 8205, 8350, 8564.

Webb
1802, 2767, 9825.

Weymouth
1625

Wilson
2507
2514
2806
3581
4209
5042
5084
5265
5321
5768
6070
6569
6682
7161
7910
7935
8463
9700
9922
10052
10165
10202
10573
10798
11109
11403
11412
11478
11638
11805
12614

Winlock
5331, 8965.

Winnecke
507, 2706, 5736, 6146, 6614, 8692, 12425.

Young
7682.

II. STRUVE'S STARS NOT IN REGULAR ORDER

Σ	No.	Σ	No.	Σ	No.	Σ	No.	Σ	No.	Σ	No.	Σ	No.	Σ	No.
93	713	824	3127	2077	7687	2837	11267	3076	5973	3092	7227	3108	7833	3122	5186
319	1522	1107	4149	2179	8022	2858	11366	3077	5982	3093	7237	3109	7850	3123	6028
343	1595	1150	4460	2241	8182	3063	10	3078	6045	3094	7338	3110	7861	3124	6802
344	1592	1410	5398	2248	8077	3064	8	3079	6052	3095	7371	3111	9292	3125	7288
460	1952	1455	5550	2299	8328	3065	14	3080	6060	3096	7389	3112	11061	3126	7398
558	2376	1717	6283	2326	8517	3067	5696	3081	6607	3097	7400	3113	986	3127	7922
573	2391	1851	6865	2571	9509	3068	5697	3083	6818	3099	7425	3114	2041	3128	8209
595	2413	1880	6966	2572	9432	3069	5759	3084	6856	3100	7430	3115	2926	3129	8319
629	2558	1887	6894	2614	9362	3070	5772	3086	6909	3101	7454	3116	3332	3130	8932
634	2548	1915	7084	2617	9781	3071	5791	3087	6936	3103	7583	3117	3549	3131	9248
695	2755	1980	7382	2647	9929	3072	5807	3088	6978	3104	7645	3118	3552	3132	9337
703	2879	2002	7464	2694	10218	3073	5878	3089	7082	3105	7651	3119	4662	3133	10664
739	2858	2034	7524	2794	10840	3074	5922	3090	7132	3106	7798	3120	4846	3134	11897
784	3041	2075	7671	2807	11010	3075	5948	3091	7185	3107	7817	3121	5005		

III. ORBITS OF BINARIES

21	Σ 2	**3474**	OΣ 149	**5805***	OΣ 234	**7332 ***	OΣ 298	**8965***	ζ *Sagitt.*
104	OΣ 4	**3559**	12 *Lyncis*	**5811***	OΣ 235	**7368***	γ *Cor. Bor.*	**9319**	Σ 2525
335	β 395	**3596***	*Sirius*	**6158**	Σ 1639	**7487***	ξ *Scorp*	**9605**	δ *Cygni*
374	OΣ 18	**4122**	*Castor*	**6243***	γ *Virg.*	**7561**	Σ 2026	**9650**	OΣ 387
426	η *Cass.*	**4187**	*Procyon*	**6296**	35 *Comae*	**7563**	σ *Cor. Bor.*	**9979***	OΣ 400
479	66 *Pisc.*	**4310***	9 *Argus*	**6406***	42 *Comae*	**7649**	λ *Ophiu.*	**10363***	β *Delph.*
482	36 *And.*	**4477***	ζ *Cancri*	**6524**	OΣ 269	**7717***	ζ *Herc.*	**10533**	λ *Cygni*
1015	Σ 186	**4570**	Σ 1216	**6530**	Σ 1757	**7748**	*Δ* 15	**10559**	4 *Aqua.*
1070*	γ *And.*	**4771***	ε *Hydrae*	**6566**	25 *Can. Ven.*	**7783**	Σ 2107	**10732**	61 *Cygni*
1144	Σ 228	**5005***	Σ 3121	**6578***	β 612	**7878**	μ *Draco*	**10829***	δ *Equul.*
1471	20 *Persei*	**5103***	ω *Leonis*	**6641**	Σ 1785	**7929***	β 416	**10846***	τ *Cygni*
1623	Σ 367	**5223**	φ *Ursae*	**6780**	Σ 1819	**8038***	Σ 2173	**11222***	κ *Peg.*
1650	95 *Ceti.*	**5235**	8 *Sext.*	**6999**	Σ 1879	**8162***	μ *Herc.*	**11743**	ζ *Aquar.*
2109*	40 *Erid.*	**5365**	OΣ 215	**7001***	OΣ 285	**8303**	τ *Ophiu.*	**11763**	37 *Peg.*
2134	55 *Tauri*	**5388**	γ *Leonis*	**7034**	ξ *Bootis*	**8340***	70 *Ophiu.*	**12196**	π *Ceph.*
2154	OΣ 82	**5515**	OΣ 224	**7120**	44 *Bootis*	**8372***	99 *Herc.*	**12701***	85 *Peg.*
2381*	β 883	**5734***	ξ *Ursae*	**7251***	η *Cor. Bor.*	**8933**	β 648	**12755***	Σ 3062
2535	14 *Orionis*	**5765**	ι *Leonis*	**7259**	μ *Bootis*				

IV. BINARY SYSTEMS

70	OΣ 2	**2007**	Σ 483	**4414**	β 581	**7726**	β 953	**10880**	β 163
92	Σ 13	**2088**	Σ 511	**4668**	β 205	**7885**	η *Ophiu.*	**10881**	β 271
260	λ *Cass.*	**2093**	OΣ 77	**4714**	β 208	**8099**	26 *Draco*	**11125**	24 *Aquar.*
314	13 *Ceti*	**2230**	80 *Tauri*	**4828**	15 *Hydrae*	**8353**	OΣ 341	**11862**	β 1092
440	β 232	**2279**	2 *Camel.*	**5123**	θ *Ursae*	**8380**	73 *Ophiu.*	**11908**	Σ 2934
489	β 1099	**2383**	β 552	**5652**	α *Ursae*	**8467**	β 639	**12036**	β 382
600	φ *And.*	**2605**	β *Orionis*	**5848**	β 456	**8663**	OΣ 359	**12094**	52 *Peg.*
648	ζ *Pisc.*	**2657**	Σ 677	**5926**	β 603	**8679**	A 88	**12125**	2 *Androm.*
714	β 4	**2780**	32 *Orionis*	**5951**	β 794	**8736**	Σ 2367	**12143**	83 *Aquar.*
887	β 870	**2857**	26 *Aurigae*	**6028**	β 3123	**8759**	Σ 2384	**12274**	β 182
1036	48 *Cass.*	**2883**	σ *Orionis*	**6185**	β 28	**8798**	Σ 2398	**12276**	β 79
1074	10 *Arietis*	**2896**	126 *Tauri*	**6216**	Σ 1661	**8849**	β 971	**12290**	β 80
1164	Σ 234	**2977**	β 560	**6442**	β 800	**8966**	Σ 2438	**12404**	β 1266
1508	β 525	**3191**	4 *Gemino.*	**6668**	Σ 1788	**8993**	ℌ N. 126	**12432**	72 *Peg.*
1512	ε *Arietis*	**3239**	η *Gemino.*	**6711**	β 1270	**9038**	Σ 2454	**12510**	β 858
1761	7 *Tauri*	**3291**	β 895	**6842**	β 1111	**9114**	Se 2	**12573**	OΣ 507
1849	OΣ 62	**3625**	14 *Lyncis*	**7416**	π^2 *Urs. Min.*	**10141**	OΣ 406	**12696**	Hn 60
1856	β 536	**3876**	Σ 1037	**7493**	β *Scorp.*	**10607**	β 367	**12709**	β 281
1900	OΣ 65	**4065**	Σ 1093	**7506**	β 949	**10643**	ε *Equul.*		

V. STARS PROBABLY BINARY

508	β 302	**892**	OΣ 34	**1420**	β 83	**1952**	Σ 460	**2464**	OΣ 93
541	OΣ 21	**898**	Σ 149	**1427**	Σ 305	**2115**	Σ 520	**2544**	β 1047
614	β 235	**900**	β 509	**1507**	β 741	**2161**	Σ 535	**2588**	OΣ 517
743	β 1163	**1002**	Σ 183	**1614**	OΣ 52	**2187**	β 1185	**2845**	Σ 749
758	ω *And.*	**1027**	Σ 185	**1639**	OΣ 53	**2272**	Σ 567	**3035**	OΣ 122
765	95 *Pisc.*	**1235**	Σ 257	**1678**	Σ 380	**2307**	Σ 577	**3062**	OΣ 121
825	β 1000	**1262**	ι *Cass.*	**1747**	Σ 400	**2406**	7 *Camel.*	**3074**	θ *Aurigae*
830	Σ 138	**1365**	OΣ 43	**1834**	38 *Persei*	**2445**	5 *Aurig.*	**3277**	4 *Lyncis*

V. STARS PROBABLY BINARY—*Continued*

3601	OΣ 156	**5448**	Σ 1439	**6764**	OΣ 278	**8210**	OΣ 338	**10147**	Σ 2672
3678	15 *Lyncis*	**5527**	OΣ 227	**6851**	Σ 1837	**8390**	β 132	**10487**	β 64
3839	β 328	**5560**	OΣ 229	**6948**	Σ 1863	**8548**	Σ 2315	**10656**	β 678
3949	OΣ 170	**5707**	Σ 1517	**6955**	ζ *Bootis*	**8622**	OΣ 354	**10685**	Σ 2744
3970	δ *Gemino.*	**6053**	Σ 1606	**7070**	59 *Hydrae*	**8783**	ϵ^1 *Lyrae*	**10709**	Se 3
4193	Σ 1126	**6155**	OΣ 249	**7117**	β 119	**8785**	ϵ^2 *Lyrae*	**11210**	Ho 166
4333	Σ 1157	**6187**	Σ 1647	**7214**	Σ 1932	**8986**	Σ 2434	**11346**	β 75
4406	OΣ 187	**6211**	Σ 1658	**7273**	Σ 1944	**8988**	Σ 2437	**11691**	51 *Aquar.*
4452	Σ 1187	**6222**	Σ 1663	**7276**	OΣ 296	**9090**	Δ 19	**11732**	β 291
4890	Σ 1300	**6348**	78 *Ursae*	**7318**	δ *Serp.*	**9500**	Σ 2556	**11761**	Kr. 60
5030	Σ 1338	**6476**	Ho 260	**7587**	OΣ 309	**9570**	Σ 2574	**11943**	β 711
5071	Σ 1348	**6500**	β 113	**7778**	Σ 2106	**9602**	Σ 2576	**12273**	β 992
5171	Σ 1374	**6630**	τ *Bootis*	**7834**	20 *Draco.*	**9643**	ζ *Sagittae*	**12289**	95 *Aquar.*
5397	Σ 1426	**6663**	β 614	**7863**	β 823	**9994**	Σ 2652	**12655**	Σ 3047
5409	OΣ 216	**6758**	OΣ 277						

VI. STARS OF THE *61 CYGNI* TYPE

216	H 1968	**2548**	Σ 634	**5385**	Σ 1423	**9053**	17 *Lyrae*	**11214**	μ *Cygni*
384	Σ 53	**2835**	Σ 742	**5388**	λ *Leonis*	**9434**	Σ 2541	**11483**	ξ *Cephei*
1131	OΣ (App) 24	**4098**	Σ 1104	**5858**	Σ 1561	**9560**	16 *Cygni*	**11866**	Σ 2928
1393	θ *Persei*	**4402**	Σ 1175	**6263**	Σ 1678	**9944**	Σ 2642	**11968**	Σ 2944
1612	12 *Erid.*	**4815**	Σ 1280	**7060**	Sh 190	**10044**	Σ 2658	**12304**	ο *Cephei*
1787	Σ 422	**4923**	σ^2 *Ursae*	**7551**	49 *Serp.*	**10504**	Σ 2725	**12639**	Σ 3046
2027	OΣ 531	**4972**	Σ 1321	**7905**	36 *Ophiu.*	**10732**	61 *Cygni*	**12740**	OΣ 547
2336	Σ 589	**4999**	Σ 1329	**7922**	δ *Herc.*				

VII. COMMON PROPER MOTION

87	35 *Pisc.*	**584**	OΣ 22	**1034**	58 *Ceti*	**1554**	β 1174	**1939**	32 *Erid.*
99	H 1947	**609**	OΣ 23	**1051**	49 *Cass.*	**1558**	H 3548	**1950**	ε *Persei*
102	Σ 16	**638**	H 2026	**1061**	α *Pisc.*	**1559**	52 *Arietis*	**1952**	Σ 460
116	38 *Pisc.*	**648**	ζ *Pisc.*	**1078**	Σ 204	**1576**	Σ 345	**1962**	β 543
131	26 *And.*	**652**	OΣ 28	**1122**	5 *Persei*	**1601**	β 1176	**2041**	Σ 3114
135	Σ 25	**655**	37 *Ceti*	**1125**	59 *And.*	**1608**	94 *Ceti*	**2084**	47 *Tauri*
152	OΣ 6	**672**	Σ 102	**1137**	ι *Triang.*	**1642**	Σ 368	**2102**	39 *Erid.*
239	28 *And.*	**678**	Σ 107	**1139**	Σ 226	**1663**	Σ 375	**2106**	ℌ VI. 98
322	Σ 42	**697**	35 *Cass.*	**1149**	66 *Ceti*	**1692**	β 531	**2147**	χ *Tauri*
354	δ *And.*	**713**	*Polaris*	**1252**	β 738	**1709**	34 *Persei*	**2150**	Ho 329
360	55 *Pisc.*	**718**	Σ 115	**1280**	Σ 270	**1711**	Σ 390	**2162**	62 *Tauri*
401	β 492	**732**	ψ *Cass.*	**1289**	Σ 271	**1720**	66 *Arietis*	**2183**	δ *Tauri*
422	Σ 59	**854**	103 *Pisc.*	**1328**	ν *Ceti*	**1730**	Σ 399	**2200**	Σ 546
439	65 *Pisc.*	**870**	Σ 145	**1332**	30 *Arietis*	**1737**	Σ 407	**2266**	α *Tauri*
463	O. S. 3	**872**	44 *Cass.*	**1341**	Σ 282	**1755**	OΣ 57	**2267**	88 *Tauri*
467	Σ 70	**877**	Σ 147	**1364**	33 *Arietis*	**1783**	S 430	**2274**	Σ 565
480	Σ 74	**887**	β 870	**1386**	84 *Ceti*	**1854**	Σ 443	**2407**	Σ 612
488	γ *Cass.*	**928**	ε *Sculp.*	**1398**	β 306	**1875**	η *Tauri*	**2435**	ω *Aurig.*
553	26 *Ceti*	**963**	1 *Arietis*	**1401**	γ *Ceti*	**1913**	Σ 455	**2451**	Σ 618
570	ψ^1 *Pisc.*	**993**	γ *Arietis*	**1462**	γ *Fornacis*	**1924**	30 *Erid.*	**2452**	Σ 623
573	σ^2 *Pisc.*	**1028**	λ *Arietis*	**1490**	Σ 326	**1927**	OΣ 67	**2468**	S 461
574	77 *Pisc.*	**1040**	Σ 191	**1510**	Σ 331	**1933**	42 *Persei*	**2495**	9 *Aurig.*

VII. COMMON PROPER MOTION—*Continued*

2509	OΣ 95	**4227**	Σ 1134	**5349**	OΣ 213	**6239**	Σ 1669	**6795**	Σ 1825
2521	γ *Caeli*	**4250**	2 *Navis*	**5371**	39 *Leonis*	**6245**	31 *Virg.*	**6802**	ι *Bootis*
2622	β 318	**4269**	5 *Navis*	**5422**	Σ 1428	**6268**	Σ 1679	**6803**	β 1246
2623	16 *Aurigae*	**4280**	Σ 1147	**5431**	OΣ 217	**6277**	Σ 1680	**6837**	Σ 1833
2654	A 53	**4359**	Sh 86	**5437**	OΣ 218	**6289**	Σ 1685	**6844**	Σ 1840
2712	η *Orionis*	**4417**	Σ 1169	**5444**	OΣ 219	**6292**	32 *Comae*	**6872**	Σ 1849
2745	Σ 711	**4447**	11 *Cancri*	**5474**	Σ 1447	**6295**	Σ 1686	**6876**	52 *Hydrae*
2769	β *Leporis*	**4456**	29 *Monoc.*	**5484**	49 *Leonis*	**6302**	Σ 1688	**6880**	φ *Virg.*
2775	31 *Orionis*	**4505**	OΣ 188	**5492**	ϕ^2 *Hydrae*	**6312**	OΣ 256	**6896**	β 117
2783	32 *Orionis*	**4531**	Σ 1211	**5493**	OΣ 222	**6313**	12 *Can. Ven.*	**6954**	π *Bootis*
2821	λ *Orionis*	**4576**	Σ 1217	**5537**	Δ	**6318**	Σ 1695	**6977**	Σ 1872
2841	42 *Orionis*	**4602**	υ^1 *Cancri*	**5558**	OΣ 228	**6337**	44 *Virg.*	**6989**	54 *Hydrae*
2902	ζ *Orionis*	**4609**	ο *Ursae*	**5590**	S 617	**6342**	46 *Virg.*	**6993**	ε *Bootis*
2915	Σ 769	**4677**	Σ 1245	**5603**	54 *Leonis*	**6343**	37 *Comae*	**7004**	Σ 1882
2924	Σ 779	**4705**	β 584	**5605**	55 *Leonis*	**6346**	Σ 1705	**7012**	μ *Librae*
2936	OΣ 115	**4709**	Σ 1255	**5676**	65 *Leonis*	**6354**	Σ 1709	**7014**	Σ 1884
2948	λ *Leporis*	**4710**	Σ 1254	**5679**	Σ 1510	**6367**	48 *Virg.*	**7031**	39 *Bootis*
2972	OΣ 118	**4763**	ι *Cancri*	**5695**	OΣ 231	**6389**	β 799	**7040**	β 31
3073	β 1055	**4819**	OΣ (App) 96	**5722**	Σ 1520	**6390**	Σ 1719	**7077**	18 *Librae*
3099	35 *Camel.*	**4820**	*Perrotin*	**5733**	OΣ 233	**6393**	OΣ 259	**7079**	β 1085
3116	3 *Monoc.*	**4859**	17 *Hydrae*	**5735**	ν *Ursae*	**6405**	θ *Virg.*	**7099**	Sh 191
3172	Σ 849	**4866**	ι *Ursae*	**5739**	Σ 1527	**6410**	17 *Can. Ven.*	**7103**	OΣ 291
3176	OΣ 134	**4870**	α *Cancri*	**5744**	Σ 1529	**6422**	54 *Virg.*	**7108**	Ho 391
3181	41 *Aurigae*	**4880**	Σ 1297	**5773**	γ *Crateris*	**6434**	Σ 25 (App) I	**7126**	47 *Bootis*
3258	β 894	**4883**	66 *Cancri*	**5779**	83 *Leonis*	**6452**	H 529	**7150**	ι *Librae*
3313	S 513	**4891**	67 *Cancri*	**5793**	57 *Ursae*	**6474**	Σ 1740	**7162**	Σ 1919
3402	11 *Monoc.*	**4929**	Σ 1311	**5801**	OΣ (App) 111	**6482**	ζ *Ursae*	**7187**	OΣ 293
3414	λ *Can. Maj.*	**4941**	Σ 1316	**5812**	88 *Leonis*	**6490**	β 237	**7193**	Σ 1925
3422	OΣ 143	**5003**	Σ 1332	**5819**	Σ 1549	**6498**	OΣ (App) 123	**7194**	δ *Bootis*
3455	S 524	**5014**	38 *Lyncis*	**5820**	17 *Crateris*	**6502**	Σ 1748	**7201**	β 227
3518	54 *Aurigae*	**5023**	37 *Lyncis*	**5833**	90 *Leonis*	**6509**	72 *Virg.*	**7208**	β 228
3541	Σ 946	**5038**	39 *Lyncis*	**5841**	Σ 1555	**6534**	β 932	**7213**	5 *Serp.*
3587	Σ 958	**5055**	OΣ 200	**5921**	93 *Leonis*	**6546**	S 651	**7222**	6 *Serp.*
3633	Σ 968	**5059**	21 *Ursae*	**5949**	Sh 132	**6551**	Σ 1767	**7268**	Sh 202
3647	36 *Gemino.*	**5062**	κ *Leonis*	**5960**	OΣ (App) 112	**6556**	Σ 1762	**7299**	β 944
3650	β 897	**5094**	Σ 1355	**5968**	Σ 1582	**6558**	81 *Virg.*	**7352**	ζ *Coronae*
3653	59 *Aurigae*	**5097**	29 *Hydrae*	**5975**	Σ 1586	**6561**	Σ 1766	**7359**	β 35
3689	Σ 981	**5104**	23 *Ursae*	**6018**	2 *Comae*	**6571**	Σ 1769	**7362**	π^1 *Urs. Min.*
3692	38 *Gemino.*	**5105**	3 *Leonis*	**6040**	Σ 1603	**6573**	Σ 1770	**7386**	β *Serp.*
3721	19 *Can. Min.*	**5110**	τ *Hydrae*	**6064**	Σ 1608	**6586**	1 *Bootis*	**7418**	2 *Scorp.*
3752	41 *Gemino.*	**5116**	Σ 1360	**6068**	Σ 1609	**6589**	Σ 1774	**7428**	Σ 1984
3793	Σ 1009	**5152**	Σ 1371	**6084**	Σ 1616	**6599**	84 *Virg.*	**7433**	Σ 1985
3862	τ *Gemino.*	**5154**	7 *Leonis*	**6090**	Σ 1619	**6612**	85 *Virg.*	**7453**	ε *Cor. Bor.*
3948	47 *Camel.*	**5158**	Σ 1372	**6102**	2 *Can. Ven.*	**6616**	β 115	**7454**	Σ 3101
3951	λ *Gemino.*	**5212**	υ *Ursae*	**6107**	Σ 1625	**6618**	86 *Virg.*	**7498**	β 811
3973	19 *Lyncis*	**5239**	9 *Sext.*	**6113**	Σ 1627	**6696**	Σ 1795	**7502**	11 *Scorp.*
3974	20 *Lyncis*	**5259**	Σ 1399	**6127**	β 605	**6701**	τ *Virg.*	**7531**	τ *Cor. Bor.*
3986	65 *Aurigae*	**5276**	Σ 1401	**6133**	11 *Comae*	**6725**	Σ 1802	**7532**	12 *Scorp.*
4074	η *Can. Min.*	**5304**	Σ 1406	**6147**	17 *Virg.*	**6729**	Σ 1804	**7533**	ν *Scorp.*
4130	OΣ 175	**5328**	31 *Leonis*	**6148**	12 *Comae*	**6776**	Σ 1820	**7570**	υ *Cor. Bor.*
4202	Σ 1122	**5331**	α *Leonis*	**6180**	17 *Comae*	**6778**	κ *Bootis*	**7581**	δ *Scorp.*
4226	κ *Gemino.*	**5334**	β 911	**6183**	δ *Corvi*	**6783**	Σ 1823	**7592**	τ *Herc.*

VII. COMMON PROPER MOTION—*Continued*

7599	H 4850	**8209**	Σ 3128	**9518**	Ku 2	**10676**	λ *Equul.*	**12021**	Σ 2950
7609	β 1115	**8235**	90 *Herc.*	**9569**	β 658	**10705**	β 1188	**12032**	OΣ 482
7624	ω *Herc.*	**8274**	γ *Draco.*	**9617**	χ *Cygni*	**10719**	OΣ (App.) 214	**12063**	Σ 2957
7631	α *Scorp.*	**8284**	67 *Ophiu.*	**9634**	π *Aquilae*	**10727**	Σ 2752	**12078**	β 452
7633	Σ 2048	**8297**	Σ 2261	**9677**	19 *Cygni*	**10782**	γ *Equul.*	**12090**	OΣ 536
7634	η *Draco.*	**8302**	95 *Herc.*	**9697**	56 *Aquilae*	**10794**	Σ 2765	**12102**	H 1838
7642	Σ 2052	**8320**	Σ 2271	**9707**	57 *Aquilae*	**10841**	OΣ 432	**12144**	OΣ 487
7648	φ *Ophiu.*	**8377**	100 *Herc.*	**9713**	ε *Draco.*	**10926**	Σ 2789	**12184**	Σ 2984
7668	31 *Herc.*	**8388**	β 637	**9719**	Σ 2597	**10932**	1 *Pegasi*	**12188**	57 *Peg.*
7677	32 *Herc.*	**8429**	16 *Sagitt.*	**9724**	β *Aquilae*	**10980**	β 683	**12228**	Σ 2990
7699	β 820	**8441**	40 *Draco.*	**9752**	η *Cygni*	**10994**	Σ 2801	**12229**	Σ 2992
7703	17 *Draco.*	**8449**	η *Sagitt.*	**9765**	ψ *Cygni*	**11046**	β *Cephei*	**12234**	Σ 2993
7711	36 *Herc.*	**8508**	Ho 566	**9833**	16 *Vulp.*	**11103**	3 *Pegasi*	**12257**	ψ' *Aquar.*
7714	42 *Herc.*	**8529**	21 *Sagitt.*	**9949**	Σ 2634	**11107**	Σ 57, App. I	**12285**	8 *Androm.*
7730	Σ 2087	**8562**	59 *Serp.*	**9950**	Σ 2635	**11129**	β 686	**12292**	94 *Aquar.*
7740	41 *Herc.*	**8574**	39 *Draco.*	**9955**	θ *Sagittae*	**11151**	β 687	**12296**	96 *Aquar.*
7749	46 *Herc.*	**8578**	φ *Draco.*	**10011**	Σ 2651	**11164**	75 *Cygni*	**12299**	OΣ 493
7758	19 *Ophiu.*	**8642**	Σ 2339	**10012**	S 740	**11355**	Batt.	**12325**	64 *Peg.*
7777	21 *Ophiu.*	**8669**	Σ 2348	**10025**	A, C. 17	**11372**	OΣ 455	**12332**	Σ 3007
7779	52 *Herc.*	**8779**	φ *Aquilae*	**10057**	α² *Capric.*	**11410**	η *Pisc. Aust.*	**12343**	Σ 3010
7792	Ku 1	**8788**	ζ *Lyrae*	**10077**	β 661	**11427**	Σ 2851	**12348**	OΣ 495
7795	Σ 2109	**8795**	Σ 2385	**10085**	κ *Cephei*	**11434**	29 *Aquar.*	**12372**	β 386
7798	Σ 3106	**8825**	Σ 2403	**10112**	β *Capric.*	**11464**	β 696	**12378**	Σ 3013
7804	54 *Herc.*	**8868**	β *Lyrae*	**10135**	Σ 2671	**11477**	15 *Cephei*	**12392**	Σ 3017
7847	β 822	**8879**	ν' *Sagitt.*	**10180**	Ho 128	**11490**	Σ 2862	**12413**	Σ 3021
7854	Σ 2119	**8914**	θ *Serp.*	**10216**	S 749	**11514**	Σ 2873	**12425**	Wn 6
7872	Σ 2128	**8926**	β 1255	**10228**	ρ *Capric.*	**11576**	41 *Aquar.*	**12468**	OΣ 500
7914	α *Herc.*	**8955**	γ *Lyrae*	**10240**	Ho 131	**11690**	33 *Peg.*	**12494**	OΣ 502
7925	Σ 2146	**9020**	ζ *Aquilae*	**10246**	ο *Capric.*	**11696**	Σ 2903	**12517**	OΣ 503
7928	39 *Ophiu.*	**9023**	Σ 2451	**10266**	1 *Delph.*	**11716**	34 *Peg.*	**12523**	ω² *Aquar.*
7944	68 *Herc.*	**9116**	β 139	**10271**	β 987	**11736**	β 701	**12532**	78 *Peg.*
7962	Σ 2155	**9137**	Σ 2486	**10281**	Da 1	**11773**	OΣ 472	**12543**	107 *Aquar.*
8003	ρ *Herc.*	**9189**	23 *Aquilae*	**10289**	β 668	**11779**	Σ 2917	**12562**	β 995
8062	β *Draco.*	**9195**	24 *Aquilae*	**10302**	H 2975	**11823**	Hn 51	**12571**	δ *Sculp.*
8065	54 *Ophiu.*	**9207**	28 *Aquilae*	**10476**	51 *Cygni*	**11828**	Σ 2924	**12575**	6 *Cassiop.*
8068	Σ 2185	**9276**	β 1129	**10506**	52 *Cygni*	**11834**	Σ 2923	**12608**	β 996
8076	ν *Draco.*	**9330**	♅ N. 119	**10509**	γ *Delph.*	**11845**	H 1791	**12651**	OΣ 512
8114	Σ 2194	**9343**	Σ 2530	**10526**	H 2998	**11873**	Ho 295	**12656**	Σ 3048
8120	β 1251	**9374**	β *Cygni*	**10572**	H 3003	**11895**	Ho 296	**12664**	27 *Pisc.*
8136	61 *Ophiu.*	**9401**	Σ 2540	**10574**	β 154	**11957**	ξ *Peg.*	**12666**	σ *Cassiop.*
8163	Σ 2215	**9427**	β 655	**10616**	7 *Aqua.*	**11966**	OΣ 480	**12750**	Σ 3060
8182	ψ *Draco.*	**9485**	θ *Cygni*	**10626**	Howe 55	**11997**	Σ 2947		

VIII. RECTILINEAR MOTION

19	α *Androm.*	**248**	49 *Pisc.*	**417**	♅ V. 82	**560**	Σ 86	**741**	θ *Ceti.*
24	β *Cass.*	**275**	52 *Pisc.*	**437**	OΣ (App) 9	**626**	H 634	**758**	ω *And.*
118	Σ 23	**322**	Σ 42	**444**	Σ 63	**672**	Σ 102	**759**	Σ 118
144	S 384	**340**	Σ 44	**458**	β 497	**707**	42 *Ceti.*	**761**	Σ 125
165	42 *Pisc.*	**346**	Σ 45	**474**	Σ 69	**732**	ψ *Cass.*	**794**	Σ 132
205	Σ 30	**361**	α *Cass.*	**497**	μ *And.*	**734**	OΣ (App) 117	**798**	Σ 133
212	OΣ 10	**368**	Σ 49	**519**	Σ 80	**740**	44 *Ceti.*	**831**	H 2061

RECTILINEAR MOTION—*Continued*

860	Σ 142	**2727**	S 483	**5365**	OΣ 215	**6828**	Ho 384	**8255**	Σ 2253
862	Σ 143	**2738**	Σ 704	**5368**	ζ *Leonis*	**6832**	Σ 1834	**8295**	OΣ (App) 163
882	107 *Pisc.*	**2807**	Σ 735	**5412**	Sh 115	**6840**	H 2714	**8316**	Ho 564
884	OΣ 35	**2923**	Σ 782	**5466**	H 2534	**6869**	DM	**8325**	Σ 2268
953	Σ 171	**3053**	S 503	**5477**	S 610	**6881**	Σ 1847	**8359**	72 *Ophiu.*
974	Σ 175	**3112**	H 3823	**5478**	Σ 1449	**6894**	Σ 1887	**8428**	Σ 2295
980	Σ 177	**3183**	Σ 853	**5500**	OΣ 223	**6910**	ρ *Bootis*	**8498**	η *Serp.*
1008	56 *And.*	**3190**	Σ 859	**5508**	Σ 1457	**6915**	γ *Bootis*	**8512**	Σ 2311
1025	S 404	**3194**	Σ 861	**5535**	40 *Leo. Min.*	**7013**	Σ 1883	**8618**	Σ 2330
1043	Σ 196	**3241**	71 *Orionis*	**5557**	Σ 1472	**7044**	OΣ 287	**8643**	Σ 2340
1044	47 *Cass.*	**3267**	Σ 878	**5593**	b^3 *Hydrae*	**7048**	OΣ (App) 131	**8646**	OΣ (App) 171
1050	Σ 197	**3330**	μ *Gemino.*	**5595**	Σ 1484	**7049**	OΣ 288	**8650**	OΣ 356
1083	61 *Ceti*	**3383**	15 *Gemino.*	**5665**	χ *Leonis*	**7098**	Σ 1901	**8654**	Σ 2342
1116	14 *Arietis*	**3495**	Σ 943	**5691**	S 621	**7202**	OΣ (App) 137	**8660**	Σ 2345
1131	OΣ (App) 24	**3499**	S 529	**5699**	OΣ (App) 108	**7212**	Σ 1934	**8673**	Σ 2346
1141	6 *Persei*	**3562**	OΣ 154	**5706**	Σ 1516	**7237**	Σ 3093	**8692**	α *Lyrae*
1179	Hastings	**3585**	56 *Aurigae*	**5729**	φ *Leonis*	**7277**	Σ 1945	**8792**	Σ 2393
1181	Σ 242 *rej.*	**3685**	Σ 978	**5775**	81 *Leonis*	**7302**	β 945	**8824**	Σ 2396
1209	*o Ceti*	**3797**	ζ *Gemino.*	**5790**	τ *Leonis*	**7320**	OΣ 297	**8830**	Σ 2400
1224	Σ 254	**3844**	45 *Gemino.*	**5841**	Σ 1555	**7326**	Σ 1961	**8902**	Σ 2416
1291	β 304	**3853**	OΣ (App) 83	**5859**	OΣ 237	**7361**	OΣ (App) 141	**8906**	*o Draco.*
1389	Σ 293	**3878**	OΣ 168	**5878**	Σ 3073	**7372**	α *Serp.*	**8925**	Σ 2421
1390	μ *Arietis*	**3905**	52 *Gemino.*	**5929**	β *Leonis*	**7404**	β 415	**8940**	11 *Aquilae*
1450	41 *Arietis*	**3909**	Σ 1047	**6006**	Σ 1588	**7422**	Σ 1983	**8943**	Σ 2427
1487	Σ 325	**3991**	Σ 1071	**6012**	Σ 1594	**7466**	Σ 1993	**8983**	Σ 2436
1492	Σ 328	**4059**	63 *Gemino.*	**6035**	Σ 1602	**7480**	ρ *Cor. Bor.*	**8986**	Σ 2434
1595	Σ 343	**4075**	γ *Can. Min.*	**6046**	Σ 1604	**7490**	Σ 2006	**9001**	Σ 2442
1729	OΣ 56	**4187**	*Procyon*	**6063**	Σ 1607	**7500**	Σ 2007	**9003**	Σ 2444
1789	Σ 418	**4219**	Σ 1132	**6083**	H 203	**7514**	κ *Herc.*	**9041**	Σ 2456
1821	Σ 436	**4233**	β *Gemino.*	**6131**	ζ *Corvi*	**7542**	Σ 2017	**9043**	Σ 2455
1827	Σ 434	**4249**	π *Gemino.*	**6161**	Σ 1641	**7596**	γ *Herc.*	**9075**	Σ 2472
1839	β 1041	**4264**	Σ 1142	**6174**	Σ 1643	**7608**	ν *Cor. Bor.*	**9116**	OΣ (App) 177
1848	H 3251	**4265**	Σ 1136	**6211**	Σ 1658	**7612**	23 *Herc.*	**9225**	OΣ (App) 181
1869	Σ 447	**4361**	14 *Can. Min.*	**6215**	Σ 1659	**7636**	OΣ 311	**9243**	Σ 2507
1905	Σ 459	**4418**	Σ 1179	**6225**	Σ 1684	**7640**	β 815	**9251**	Σ 2514
1975	γ *Erid.*	**4501**	Σ 1193	**6230**	S 639	**7708**	Σ 2080	**9260**	H 5113
2016	β 1004	**4581**	S 565	**6274**	S 642	**7747**	43 *Herc.*	**9277**	2 *Sagittae*
2026	β 545	**4655**	θ *Cancri*	**6308**	δ *Virg.*	**7800**	OΣ 317	**9282**	Σ 2515
2130	φ *Tauri*	**4660**	Σ 1240	**6333**	Σ 1703	**7845**	33 *Ophiu.*	**9294**	4 *Vulp.*
2188	Σ 544	**4662**	Σ 3119	**6345**	β 112	**7855**	60 *Herc.*	**9300**	3 *Cygni*
2198	Σ 547	**4699**	H 99	**6414**	53 *Virg.*	**7858**	Σ 2120	**9308**	Σ 2521
2239	57 *Persei*	**4743**	Σ 1263	**6415**	OΣ 261	**7873**	OΣ 323	**9317**	β 1286
2426	o^2 *Orionis*	**4747**	δ *Cancri*	**6431**	Sh 162	**7935**	Σ 2145	**9350**	6 *Vulp.*
2430	Σ 613	**4941**	Σ 1316	**6447**	61 *Virg.*	**7957**	ν *Serp.*	**9355**	Σ 2532
2446	Σ 619	**4984**	θ *Hydrae*	**6493**	Σ 1746	**7976**	72 *Herc.*	**9358**	Ho 578
2558	Σ 629	**4987**	Σ 1327	**6494**	OΣ 266	**8067**	53 *Ophiu.*	**9381**	Σ 2536
2560	Σ 651	**5090**	41 *Lyncis*	**6512**	OΣ 268	**8068**	Σ 2185	**9404**	μ *Aquilae*
2584	ρ *Orionis*	**5134**	ℍ N. 29	**6611**	S 652	**8107**	Σ 2192	**9458**	ε *Sagittae*
2594	κ *Leporis*	**5175**	14 *Leonis*	**6664**	OΣ (App) 127	**8118**	Σ 2199	**9485**	θ *Cygni*
2627	λ *Aurigae*	**5292**	Σ 1402	**6670**	η *Bootis*	**8183**	Σ 2227	**9521**	Σ 2564
2668	OΣ 104	**5336**	Σ 1409	**6716**	Σ 1801	**8187**	Σ 2230	**9619**	ℍ N. 110
2703	111 *Tauri*	**5342**	λ *Hydrae*	**6801**	Σ 1830	**8245**	Ho 72	**9657**	α *Aquilae*

RECTILINEAR MOTION—*Continued*

9690	H 2904	**10402**	Σ 2708	**10838**	Σ 2778	**11592**	Σ 2877	**12068**	16 *Lacert.*
9712	Σ 2596	**10473**	OΣ 411	**10922**	OΣ 437	**11625**	β 377	**12069**	Σ 2959
9774	Ho 276	**10477**	*Arg.* 39	**10943**	S 788	**11646**	30 *Peg.*	**12075**	β 849
9786	OΣ 393	**10512**	*ε Cygni*	**10951**	Σ 2796	**11657**	Σ 2895	**12134**	*β Peg.*
9814	Σ 2612	**10533**	*λ Cygni*	**11001**	Σ 2799	**11659**	OΣ 469	**12172**	Σ 2976
9834	Σ 2615	**10535**	*η Cephei*	**11032**	Σ 2803	**11663**	*γ Aquar.*	**12305**	OΣ (App) 244
9875	OΣ 397	**10540**	Σ 2728	**11051**	Σ 2804	**11715**	53 *Aquar.*	**12317**	Σ 3006
9935	Σ 2640	**10577**	OΣ (App) 211	**11115**	4 *Pegasi*	**11761**	*Kr.* 60	**12340**	Σ 3008
10005	Σ 2649	**10590**	OΣ 416	**11184**	76 *Cygni*	**11786**	*α Lacert.*	**12369**	*κ Pisc.*
10009	Σ 2646	**10595**	Σ 2734	**11267**	Σ 2837	**11789**	Σ 2915	**12384**	OΣ (App) 246
10044	Σ 2658	**10609**	16 *Delph.*	**11272**	Σ 2828	**11796**	Σ 2919	**12434**	Σ 60, App. I
10264	β 363	**10690**	Σ 2746	**11396**	Sh 336	**11910**	12 *Lacert.*	**12479**	Σ 3028
10298	ω^2 *Cygni*	**10695**	H 1607	**11428**	20 *Pegasi*	**11930**	OΣ 477	**12497**	*κ Androm.*
10325	H 1535	**10723**	Σ 2753	**11433**	OΣ (App) 228	**11952**	Σ 2941	**12552**	Σ 3039
10335	*Cin.*	**10725**	Σ 2754	**11471**	Σ 2860	**11967**	τ^1 *Aquar.*	**12563**	Σ 3041
10356	OΣ (App) 208	**10741**	Σ 2759	**11472**	OΣ 460	**11985**	τ^2 *Aquar.*	**12618**	OΣ (App) 251
10361	Σ 2703	**10746**	Σ 2760	**11504**	Σ 2865	**12019**	β 451	**12675**	Σ 3050
10373	48 *Cygni*	**10829**	*δ Equul.*	**11559**	H 1741	**12044**	Σ 2954	**12731**	Σ 3056
10390	*κ Delph.*	**10835**	Σ 2779						

IX. SUSPECTED OR DOUBTFUL PAIRS

13	See 2	**2885**	OΣ 113	**6145**	OΣ 247	**8162**	*μ Herc.*	**10062**	H 5512
193	OΣ 8	**2924**	Σ 779	**6156**	OΣ 248	**8299**	68 *Ophiu.*	**10363**	*β Delph.*
212	OΣ 10	**2929**	β 752	**6181**	OΣ 251	**8359**	72 *Ophiu.*	**10456**	See 427
610	H 2021	**2982**	H 5465	**6211**	Σ 1658	**8397**	Ho 80	**10531**	Ho 143
624	45 *Androm.*	**3078**	OΣ 124	**6257**	OΣ 254	**8439**	Ho 268	**10772**	OΣ 429
643	35 *Ceti*	**3236**	H 3839	**6300**	H 1222	**8553**	H 5496	**10807**	Ho 283
708	See 12	**3245**	OΣ 135	**6697**	H 4640	**8567**	β 264	**10945**	18 *Aquar.*
1178	OΣ 39	**3335**	OΣ 138	**6798**	Howe 33	**8590**	Howe 43	**11017**	β 448
1464	H 3535	**3560**	Ho 237	**6822**	A. G. 194	**8636**	OΣ 355	**11341**	β 768
1793	OΣ 60	**3611**	β 756	**7008**	Ho 263	**8738**	See 357	**11438**	See 464
1887	27 *Tauri*	**3725**	*μ Can. Maj.*	**7024**	H 5489	**8892**	OΣ 364	**11508**	See 469
1924	30 *Erid.*	**3866**	β 329	**7028**	OΣ 286	**8932**	OΣ 365	**11562**	Ho 290
2043	OΣ 72	**3931**	OΣ 169	**7139**	H 4740	**9013**	β 1285	**11754**	OΣ 471
2196	71 *Tauri*	**4266**	Σ 1143	**7237**	Σ 3093	**9230**	Σ 2505	**11812**	β 705
2225	OΣ 83	**4436**	H 4041	**7738**	*η Herc.*	**9282**	Σ 2515	**11840**	OΣ 474
2313	*τ Tauri*	**4455**	*ρ Argus*	**7775**	*Schj.* 13	**9519**	55 *Sagitt.*	**11846**	H 5528
2314	54 *Erid.*	**5090**	41 *Lyncis*	**7827**	H 4911	**9531**	*χ Aquil.*	**11848**	*κ Aquar.*
2394	OΣ 88	**5493**	OΣ 222	**7846**	*ε Urs. Min.*	**9532**	See 393	**12154**	*υ Gruis*
2425	OΣ 89	**5534**	Hn 11	**7858**	Σ 2120	**9719**	Σ 2597	**12232**	OΣ 491
2506	OΣ 97	**5594**	Ma 5	**7992**	β	**9774**	Ho 276	**12242**	β 715
2597	*α Aurig.*	**5865**	Weisse 27	**8017**	Σ 2165	**9779**	Ho 582	**12332**	Σ 3007
2745	Σ 711	**6017**	β 458	**8018**	See 329	**9788**	See 401	**12335**	66 *Peg.*
2759	See 53	**6039**	AC. 6	**8038**	Σ 2173	**9942**	Da 12	**12686**	*A. G.* 299
2817	38 *Orionis*	**6114**	OΣ 246	**8083**	OΣ 333	**9968**	See 409		

X. INDEX TO BRIGHT STARS HAVING THE FLAMSTEED AND BAYER CONSTELLATION NUMBERS AND LETTERS, WITH PHOTOMETRIC MAGNITUDES FROM HARVARD (*h*) AND POTSDAM (*p*) OBSERVATIONS.

Andromeda

12125	2	5.30 *p*
12179	4	5.33
12285	8	4.96
12497	κ 19	4.46
19	α 21	2.44
131	26	6.14
239	28	5.40
329	π 29	4.54
354	δ 31	3.50
482	36	5.65
497	μ 37	4.09
542	39	6.14
600	φ 42	4.45
605	β 43	2.33
624	45	6.08
758	ω 48	5.02
861	τ 53	5.27
989	55	5.47
1008	56	5.81
1070	γ 57	2.37
1125	59	6.52 7.11 } *p*

Aquarius

10386	1	5.30 *h*
10559	4	6.03
10616	7	5.66
10698	12	5.57
10843	14	6.77
10945	18	5.51
11026	β 22	2.99
11125	24	6.84
11434	29	6.49
11576	41	5.40
11663	γ 48	3.81
11691	51	5.82
11715	53	5.68
11743	ζ 55	3.66
11848	κ 63	5.22
11967	τ^1 69	5.62
11985	τ^2 71	4.36
12143	83	5.39
12143	84	7.55
12257	ψ^1 91	4.51
12292	94	5.16
12289	ψ^3 95	5.22
12296	96	5.68
12329	97	5.21 *h*

Aquarius—Cont.

12331	98	4.42 *h*
12511	104	5.07
12523	ω^2 105	4.53
12543	107	5.46 *h*

Aquila

8725	2	4.60 *h*
8779	5	5.66 *h*
8940	11	5.40 *p*
9005	15	5.36 *h*
9020	ζ 17	3.32 *p*
9118	21	5.40 *p*
9189	23	5.24 *h*
9195	24	6.56 *p*
9207	28	5.70 *p*
9299	ν 32	4.82 *p*
9404	μ 38	4.58 *p*
9486	σ 44	5.30 *p*
9504	45	5.55 *h*
9531	χ 47	5.40 *p*
9634	π 52	5.80 *p*
9657	α 53	1.15 *p*
9649	51	5.57 *h*
9697	56	6.02 *h*
9707	57	5.53 6.61 } *h*
9724	β 60	3.90 *p*
9960	θ 65	3.35 *h*
10367	71	4.57 *h*

Argo

4197	κ	3.79 *h*
4240	1	4.80
4281	ο	4.55
4290	ξ	3.51
4310	9	5.30
4455	ρ	2.89
4480	19	4.74 *h*

Aries

963	1	6.08 *p*
993	γ 5	4.15
1028	λ 9	5.02
1074	10	5.94
1098	11	7.47
1116	14	5.24
1332	30	6.82 *p*

Aries—Cont.

1364	33	5.70 *p*
1390	μ 34	5.95
1448	π 42	5.60
1450	41	3.68
1512	ε 48	4.75
1559	52	5.86
1720	66	6.16 *p*

Auriga

2435	ω 4	5.10 *p*
2445	5	6.10 *p*
2459	ε 7	3.18 *h*
2495	9	5.16 *p*
2591	14	5.07
2597	α 13	0.46
2623	16	4.57
2627	λ 15	4.84
2690	σ 21	5.16
2857	26	5.68
2968	τ 29	4.70
2996	ν 32	4.22
3064	β 34	2.23
3074	θ 37	2.88
3181	41	6.54
3518	54	6.32
3585	56	5.51
3653	59	6.38
3986	65	5.26 *p*

Boötes

6586	1	5.96 *p*
6630	τ 4	4.74
6670	η 8	3.08
6736	13	5.40
6778	κ 17	4.67
6802	ι 21	4.98
6910	ρ 25	3.84
6915	γ 27	3.36
6954	π 29	4.61
6955	ζ 30	4.04
6993	ε 36	2.68
7031	39	5.74
7034	ξ 37	4.82
7120	44	5.01
7126	47	5.79
7194	δ 49	3.60
7258	μ 51	4.62 *p*

Cameleopardalis

1843	γ	4.65 *h*
1927	9 (Hev)	5.09 *h*
2220	1	6.18 7.58 } *p*
2279	2	5.56 *p*
2280	3	5.18 *p*
2386	5	5.79 *p*
2406	7	4.72 *p*
2455	β 10	4.22 *h*
2480	11, 12	5.18 6.14 } *p*
2959	29	6.74 *p*
3099	35	6.63 *p*
3948	47	....
4481	56	....

Canes Venatici

6102	2	5.75 *p*
6313	α 12	3.12
6410	17	6.18
6566	25	5.02 *p*

Cancer

4383	ω^2 4	6.06 *p*
4447	11	7.28
4477	ζ 16	4.81
4529	β 17	3.74
4597	ϕ^1 22	5.78
4601	ϕ^2 23	5.77
4602	υ^1 24	7.56 8.12 }
4655	θ 31	5.52
4711	ε 41	6.56 6.70 }
4747	δ 47	4.10
4763	ι 48	4.22 7.12 }
4822	51	5.98
4823	53	6.44
4839	ι^2 57	5.58
4870	α 65	4.58
4874	64	5.46
4883	66	6.19
4891	67	6.34 *p*

Canis Major

3414	λ 3	
3453	ξ^1 4	4.34 *h*

X. INDEX TO BRIGHT STARS ETC.—*Continued*

Canis Major—Cont.

3503	ν^1	6	5.61 *h*
3596	α	9	−1.72
3713	π^2	17	5.68
3721	π^3	19	4.70
3725	μ	18	5.21
3761	ε	21	1.68
3980		30	4.94 *h*

Canis Minor

4074	η	5	5.49 *p*
4075	γ	4	4.34
4187	α	10	0.75
4361		14	5.51 *p*

Capricornus

10033		3	6.41 *h*
10054	α^1	5	4.68
10057	α^2	6	3.80
10070	σ	7	5.50
10104	ν	8	5.00
10106	β^1		6.19
10112	β^2	9	3.16
10207	π	10	5.13
10228	ρ	11	4.99
10246	ο	12	5.59
10372	τ^2	14	5.22
10484		17	5.82
10722		24	4.61
10744	χ	25	5.27
10977	ζ	34	4.07
11077	ε	39	4.72
11158		41	5.35
11239	δ	49	2.95 *h*

Cassiopeia

12202		2	5.84 *p*
12354		4	5.17 *h*
12575		6	5.53 *h*
12666	σ	8	4.92 *p*
12727		9	6.13 *h*
24	β	11	2.58 *p*
260	λ	14	4.93 *p*
361	α	18	2.25 *h*
391		21	5.60 *h*
395	ο	22	4.86 *p*
426	η	24	3.73 *p*
475	υ^1		5.01 *p*
488	γ	27	2.47 *p*
601		31	5.29 *h*

Cassiopeia—Cont.

691	φ	34	5.18 *p*
697		35	6.32 *h*
732	ψ	36	4.96 *h*
819		40	5.46 *h*
872		44	5.53 *h*
1044		47	5.40 *h*
1036		48	4.60 *h*
1051		49	5.29 *h*
1262	ι		4.61 *h*

Cepheus

10085	κ	1	4.40 *h*
10535	η	3	3.59 *h*
11046	β	8	3.32 *h*
11227	μ		3.92 *h*
11477		15	6.88 *p*
11483	ξ	17	4.40 *h*
11499		19	5.16 *h*
11772	δ	27	*Var.*
12196	π	33	4.56 *h*
12304	ο		4.90 *h*

Cetus

141	ι	8	3.69 *h*
242		12	3.57 *h*
314		13	4.66 *h*
553		26	6.21 *p*
643		35	6.79 *p*
655		37	5.20 *h*
707		42	5.92 *h*
740		44	6.46 *h*
741	θ	45	3.86 *h*
778		48	5.13 *h*
877	χ^1		5.74 *h*
1034		58	6.57 *h*
1083		61	6.01 *h*
1149		66	5.63 *h*
1209	ο	68	*Var.*
1328	ν	78	5.06 *p*
1386		84	5.73 *h*
1401	γ	86	3.80 *p*
1608		94	5.14 *h*
1650		95	5.52 *h*

Coma Berenices

6018		2	6.31 *p*
6133		11	4.88
6148		12	5.02
6180		17	5.62 *p*

Coma Berenices—Cont.

6212		24	5.15 *p*
6287		30	5.96
6292		32	6.36
6292		33	7.04
6296		35	5.13
6343		37	5.09
6406	α	42	4.56 *p*

Corona Borealis

7251	η		5.24 *p*
7352	ζ	7	4.83
7368	γ	8	4.04
7442	λ		5.68
7453	ε	13	4.33
7480	ρ		5.65
7531	τ		4.98
7563	σ		5.43
7570	υ	18	5.98
7608	ν^1	20	5.37
7608	ν^2	21	5.54 *p*

Corvus

6131	ζ	5	6.06 *h*
6183	δ	7	3.02 *h*

Crater

5773	γ	15	4.02 *h*
5820		17	5.02 *h*

Cygnus

9300		3	6.42 *p*
9374	β	6	3.18 5.68
9470		9	5.53
9485	θ	13	4.62
9560		16	6.32 6.31
9617	χ	17	5.10
9605	δ	18	3.19
9677		19	5.16
9752	η	21	4.18
9765	ψ	24	5.11
9854		26	5.12
10036	o^2	31	4.00
10060		32	4.18
10168	γ	37	2.50
10301		44	6.38
10298	ω^2	45	5.16 *p*

Cygnus—Cont.

10315	ω^3	46	5.46 *p*
10373		48	6.66
10437		49	5.71
10453	α	50	1.62
10476		51	5.69
10506		52	4.45
10512	ε	53	2.74
10533	λ	54	4.84
10558		55	5.04
10670		59	4.88
10686		60	5.60
10732		61	5.44 6.08
10756		63	4.61
10846	τ	65	3.96
10885	υ	66	4.61
10983		69	6.16
11164		75	5.20
11184		76	6.31
11214	μ	78	4.74
11208		79	5.88 *p*

Delphinus

10266		1	6.15 *p*
10363	β	6	4.02
10390	κ	7	5.17
10401	α	9	4.14
10509	γ	12	4.19
10520		13	5.72
10546		15	5.88
10609		16	5.58 *p*

Draco

6662		10	4.77 *h*
7634	η	14	2.89 *h*
7702		16	5.64 *p*
7702		17	5.32 *p*
7834		20	4.82 *h*
7878	μ	21	5.06 *p*
8062	β	23	3.02 *p*
8076	ν^1	24	5.18 *p*
8076	ν^2	25	5.16 *p*
8099		26	5.34 *h*
8182	ψ	31	4.58 *h*
8274	γ	33	2.48 *p*
8574		39	5.25 *p*
8441		40, 41	5.20 *h*
8578	φ	43	4.24 *h*
8781		46	5.29 *p*

X. INDEX TO BRIGHT STARS ETC.—*Continued*

Draco—Cont.		
8906	ο 47	4.80 *p*
9713	ε 63	3.99 *h*
9892	64	5.42 *h*
Equuleus		
10643	ε 1	5.26 *p*
10676	λ 2	6.90
10782	γ 5	4.67
10829	δ 7	4.68
10936	β 10	5.38 *p*
Eridanus		
1467	τ^{2} 2	4.89 *h*
1549	ρ^{3} 9	5.49
1612	12	4.00
1659	15	5.05
1673	τ^{4} 16	4.03
1924	30	5.35
1939	32	4.58
1975	γ 34	3.38
2102	39	5.24
2109	ο 40	4.46
2268	46	5.68
2287	51	5.30
2314	54	4.69
2330	55	5.93
2432	62	5.54
2530	66	5.08 *h*
Fornax		
1462	γ	
Gemini		
3182	3	6.03 *p*
3191	4	7.12
3239	η 7	*Var.*
3330	μ 13	3.08
3383	15	6.58
3397	ν 18	4.45
3435	20	6.58 } 7.32 }
3568	ε 27	3.23
3575	30	4.59
3647	36	5.63
3692	38	4.79
3752	41	5.93
3797	ζ 43	*Var.*
3844	45	5.54
Gemini—Cont.		
3862	τ 46	4.60
3893	51	5.12
3905	52	5.90
3951	λ 54	3.83
3970	δ 55	3.70
4059	63	5.44
4083	65	5.31
4122	α 66	1.97
4164	70	5.88
4226	κ 77	3.72
4233	β 78	1.54
4249	π 80	5.28
4260	82	6.47 *p*
Grus		
11835	σ^{2}	
12154	υ	
Hercules		
7514	κ 7	5.08 } 6.53 } *p*
7596	γ 20	3.97
7592	τ 22	4.18
7612	23	6.65
7624	ω 24	4.76
7668	31	7.46
7677	32	7.24
7711	36	7.17
7711	37	6.05
7717	ζ 40	3.18
7740	41	6.80
7714	42	5.00
7747	43	5.14
7738	η 44	3.77
7749	46	7.50
7779	52	5.02
7804	54	5.40
7805	56	6.30
7855	60	5.02
7914	α 64	*Var.*
7922	δ 65	3.47
7944	68	5.12
7972	70	5.52
7976	72	5.72
8003	ρ 75	4.36
8162	μ 86	3.64
8235	90	5.20
8302	95	4.54
8372	99	5.30 *p*
Hercules—Cont.		
8377	100	5.45 *p*
8382	102	4.62
8786	110	4.47
8908	113	4.72 *p*
Hydra		
4612	2	5.22 *h*
4734	9	5.01 *h*
4771	ε 11	3.57 *p*
4786	ρ 13	4.68 *p*
4828	15	5.54 *h*
4859	17	6.03 *h*
4984	θ 22	4.30 *p*
5039	27	4.98 *h*
5097	29	6.45 *h*
5101	α 30	2.29 *h*
5110	τ 31	4.63 *h*
5342	λ 41	3.84 *h*
5480	44	5.38 *h*
5492	ϕ^{2}	6.23 *h*
5593	b^{3}	5.31 *h*
6876	52	4.94 *h*
6989	54	4.94 *h*
7070	59	5.56 *h*
Lacerta		
11669	2	4.73 *p*
11786	α 7	4.00
11839	8	5.92 } 6.68 }
11877	10	5.14
11910	12	5.58
11938	13	5.30
12019	15	4.98
12068	16	5.78 *p*
Leo		
5062	κ 1	4.68 *p*
5103	ω 2	5.64
5105	3	6.04
5131	6	5.36
5154	7	6.64
5175	ο 14	3.88
5328	31	4.52
5331	α 32	1.76
5368	35	6.24
5368	ζ 36	3.75
5371	39	6.03
5388	γ 41	2.45
Leo—Cont.		
5436	45	6.26 *p*
5484	49	5.94
5603	54	4.51
5605	55	6.12 *p*
5610	57	6.86 *h*
5639	59	5.31 *p*
5665	χ 63	4.88
5676	65	5.79
5709	δ 68	2.93 *p*
5729	φ 74	4.58 *h*
5765	ι 78	4.27 *p*
5775	81	5.92
5779	83	6.81 } 7.94 }
5790	τ 84	5.38
5812	88	6.38
5833	90	6.12
5921	93	4.75 *p*
5929	β 94	2.23 *h*
5967	95	5.80 *p*
Leo Minor		
5113	7	6.08 *p*
13189	11	5.66
5458	33	6.32
5535	40	5.70
5548	42	5.59 *p*
Lepus		
2581	ι 3	4.49 *h*
2594	κ 4	4.38
2769	β 9	2.95
2813	α 11	2.64 *h*
Libra		
6990	5	6.60 *h*
7012	μ 7	5.38
7018	α 9	2.68
7077	18	5.91
7150	ι' 24	4.53
7219	ο' 29	6.16
7314	γ 38	4.10 *h*
Lynx		
3277	4	6.34 *p*
3338	5	5.28
3559	12	5.00
3625	14	5.54 *p*

X. INDEX TO BRIGHT STARS ETC.—*Continued*

Lynx — Cont.

3678	15	4.53
3973	19	7.40 6.18
3974	20	7.84 8.04
4186	24	5.18
4432	27	5.00
5014	38	4.05
5023	37	6.40
5038	39	7.32
5090	41	5.53 *p*

Lyra

8692	α 3	0.41 *p*
8783	ϵ^1 4	5.00
8785	ϵ^2 5	4.92
8788	ζ 6	4.74
8862	ν^1 8	6.12
8864	ν^2 9	5.42
8868	β 10	*Var.*
8907	δ' 11	5.98
8955	γ 14	3.56
8999	16	5.32
9053	17	5.50
9144	η 20	4.75
9186	θ 21	4.56 *p*

Malus

4719	*f*	
4963	ϵ	

Microscopium

10935	θ^2	

Monoceros

3116	3	4.99 *h*
3186	4	6.77 *h*
3255	5	4.26 *h*
3349	8	4.62 *p*
3402	11	3.95 *h*
3469	14	6.66 *p*
3542	15	....
3931	24	6.58 *p*
4456	29	4.38 *h*
4606	30	3.98 *h*
4746	31	4.59 *h*

Navis (Argo)

4250	2	5.62 *h*
4270	5	5.63

Ophiuchus

7613	ρ 5	4.70 *h*
7648	ϕ 8	4.41 *h*
7649	λ 10	4.05 *p*
7758	19	6.40 *p*
7777	21	5.88 *p*
7801	24	5.54 *h*
7845	33	5.68 *h*
7845	34	6.15 *h*
7885	η 35	2.64 *h*
7905	36	4.64 *h*
7923	38	6.90 *h*
7928	39	5.13 *h*
8067	53	6.01 *p*
8065	54	6.68 *p*
8136	61	6.52 6.72 *p*
8284	67	4.23 *p*
8299	68	4.56 *p*
8303	τ 69	4.84 *h*
8340	70	4.17 *p*
8359	72	4.00 *p*
8380	73	5.90 *p*
8496	74	4.82 *p*

Orion

2426	o^2 9	4.26 *p*
2535	14	5.59 *p*
2549	15	5.20 *p*
2584	ρ 17	4.71 *p*
2605	β 19	0.40 *h*
2639	τ 20	3.62 *h*
2692	23	5.21 *p*
2712	η 28	3.38 *h*
2735	ψ^2 30	4.90 *p*
2775	31	5.04 *h*
2780	32	4.50 *p*
2783	33	5.81 *p*
2796	δ 34	2.59 *h*
2817	38	5.66 *p*
2821	λ 39	3.70 *p*
2837	θ^1 41	4.87 *h*
2841	42	4.55 *h*
2839	θ^2 43	5.31 *h*
2843	ι 44	2.77 *h*
2849	45	5.33 *h*

Orion — Cont.

2883	σ 48	3.69 *h*
2902	ζ 50	1.89 *h*
2976	52	5.46 *p*
3030	56	5.00 *p*
3048	α 58	*Var.*
3079	59	6.13 *p*
3111	μ 61	4.36 *p*
3206	68	6.12 *p*
3241	71	5.51 *p*
3271	75	5.74 *p*

Pegasus

10932	1	4.28 *p*
11014	2	4.63
11103	3	6.52
11115	4	5.89
11205	ϵ 8	2.76
11222	κ 10	4.28
11428	20	5.92
11526	π^1 27	4.47
11646	30	5.72
11666	32	5.01
11690	33	6.48
11716	34	6.20
11763	37	6.00
11905	ζ 42	3.74
11924	η 44	3.24
11957	ξ 46	4.42
12094	52	6.07
12134	β 53	*Var.*
12188	57	4.97
12325	64	5.60
12335	66	5.24
12432	72	5.09
12532	78	5.14
12701	85	5.98 *p*

Perseus

1122	5	6.56 *p*
1141	6	5.45
1175	χ 7	6.10
1217	9	5.40
1393	θ 13	4.36
1440	η 15	3.92
1468	τ 18	4.16
1471	20	5.71
1544	γ 23	3.18
1565	β 26	*Var.*
1709	34	4.92 *p*

Perseus — Cont.

1834	38	3.85 *p*
1818	40	5.16
1933	43	5.47
1921	ζ 44	3.14
1950	ϵ 45	3.16
2073	μ 51	4.30
2163	56	6.20
2239	57	6.26 *p*

Pisces

12096	2	5.60 *p*
12369	κ 8	5.23 *p*
12564	20	5.56 *h*
12664	27	5.09 *h*
38	34	5.78 *p*
87	35	6.14
116	38	6.76
165	42	6.47
193	44	5.91
248	49	7.09
274	51	5.88
275	52	5.55
360	55	5.54
439	65	5.66
479	66	6.02
561	72	5.85
570	ψ^1 74	5.61 5.88
574	77	6.61 7.44
573	σ^2 76	6.52
647	ϕ 85	4.85
648	ζ 86	5.48 6.60
765	95	
790	η 99	4.12
813	100	7.63 8.64
854	103	6.94
882	107	5.45
1061	α 113	4.12 *p*

Piscis Australis

11398	11	7.46 *h*
11410	η 12	5.44
12052	δ 23	4.40
12071	α 24	1.28 *h*

Pyxis

4862	δ	4.85 *h*

X. INDEX TO BRIGHT STARS ETC.—*Continued*

Sagitta

9277	2	6.20 *p*
9277	3	7.10
9458	ε 4	5.67
9643	ζ 8	5.23
9797	χ 13	5.54
9955	θ 17	6.89 *p*

Sagittarius

8413	μ 13	3.98 *h*
8429	16	5.94
8449	η	3.38
8480	δ 19	2.92
8529	21	5.00
8766	28	5.64
8818	29	5.32
8833	30	6.25
8879	ν^1 32	5.00
8965	ζ 38	2.57
8995	ο 39	3.93
9417	52	4.75
9475	53	6.31
9496	54	5.50
9519	55	5.22
9861	64	6.46 *h*
10139	κ^2	....

Scorpio

7418	A 2	4.60 *h*
7431	ρ 5	4.04
7444	π 6	2.96
7487	ξ	4.18
7493	β 8	2.68
7502	11	5.64
7532	12	5.72
7533	ν 14	3.91
7581	σ 20	3.03
7631	α 21	1.34 *h*

Sculptor

928	ε	5.42 *h*
12571	δ	4.62 *h*

Serpeus

7068	1	5.68 *p*
7096	2	5.71
7213	5	5.17
7222	6	5.69
7318	δ 13	4.08 *p*

Serpeus—Cont.

7360	ι 21	4.82
7372	α 24	2.88
7386	β 28	3.84
7551	49	6.88 *p*
7957	ν 53	4.30 *h*
8498	η 58	3.46 *h*
8562	59	5.31 *p*
8914	θ 63	4.95 5.38 } *p*

Sextans

5235	8	4.93 *h*
5239	9	6.85 *p*
5539	35	6.34 7.38 } *p*
5575	41	5.73 *h*

Taurus

1761	7	6.13 *p*
1858	23	4.37
1875	η 25	3.10
1887	27	4.00
1859	29	5.59
1886	30	5.33
2013	36	5.72
2084	47	5.05
2130	φ 52	5.06
2134	55	7.17
2147	χ 59	5.53
2162	62	6.55
2172	66	5.42
2177	κ^1 65	4.60
2183	δ 68	4.16
2196	71	4.81
2212	θ^1 77	3.88
2212	θ^2 78	3.78
2230	80	5.96
2266	α 87	1.18
2267	88	4.42
2293	σ^1 91	5.30
2293	σ^2 92	4.94
2313	τ 94	4.50
2368	96	6.28
2433	99	6.00
2531	103	5.74
2528	105	6.16
2703	111	5.24
2734	114	5.05
2729	115	5.74 *p*

Taurus—Cont.

2751	118	5.72 *p*
2896	126	5.12
2969	133	5.58
3022	136	4.90 *p*

Triangula

1064	ε 3	5.82 *p*
1137	ι 6	5.10
1174	δ 8	5.10
1198	10	5.55 *p*

Ursa Major

4609	ο 1	3.47 *h*
4866	ι 9	3.42 *p*
4923	σ^2 13	4.87 *h*
4930	τ 14	4.74 *h*
4962	16	5.17 *h*
5059	21	7.97 *p*
5104	23	3.75 *h*
5123	θ 25	3.50 *p*
5212	υ 29	4.08 *p*
5223	φ 30	4.74 *p*
5652	α 50	2.12 *h*
5660	51	6.11 *p*
5734	ξ 53	3.87 *p*
5735	ν 54	3.66 *p*
5793	57	5.50 *p*
5962	65	6.78 *p*
6348	78	5.13 *p*
6482	ζ 79	2.40 *p*

Ursa Minor

713	α 1	2.12 *h*
6919	5	4.37
7241	12	7.19
7362	π^1	6.47
7416	π^2	6.93
7846	ε 22	4.40
9648	λ	6.51 *h*

Virgo

5919	4	5.64 *p*
6147	17	6.66 *p*
6242	27	6.54 *p*
6243	γ 29	2.94 *h*
6245	31	5.80 *p*
6308	δ 43	3.64 *p*
6337	44	5.75 *h*

Virgo—Cont.

6342	46	6.12 *h*
6367	48	6.55 *h*
6405	θ 51	4.38 *h*
6414	53	5.10 *h*
6422	54	6.23 *h*
6447	61	4.84 *h*
6509	72	6.06 *h*
6518	75	5.60 *h*
6558	81	7.11 *h*
6599	84	5.58 *p*
6612	85	6.15 *h*
6618	86	5.61 *h*
6701	τ 93	4.52 *p*
6880	φ 105	5.01 *h*

Vulpecula

9166	1	5.07 *p*
9194	2	5.74
9294	4	5.27
9350	6	4.50
9350	8	6.04
9416	9	5.20
9833	16	5.44 *p*

PRECESSION TABLES

PRECESSION IN DECLINATION FOR 1880

Minutes	0^h+ $12-$	1^h+ $13-$	2^h+ $14-$	3^h+ $15-$	4^h+ $16-$	5^h+ $17-$	Minutes
0^m	20'.06	19'.37	17'.37	14'.18	10'.03	5'.19	60^m
2	20.06	19.32	17.28	14.06	9.87	5.02	58
4	20.05	19.28	17.19	13.93	9.72	4.85	56
6	20.05	19.23	17.10	13.81	9.57	4.68	54
8	20.04	19.18	17.01	13.68	9.41	4.51	52
10	20.03	19.13	16.91	13.55	9.26	4.34	50
12	20.02	19.07	16.82	13.42	9.10	4.17	48
14	20.02	19.02	16.72	13.29	8.95	4.00	46
16	20.00	18.96	16.63	13.16	8.79	3.83	44
18	19.99	18.90	16.53	13.02	8.63	3.65	42
20	19.98	18.85	16.43	12.89	8.47	3.48	40
22	19.96	18.78	16.33	12.76	8.32	3.31	38
24	19.94	18.72	16.23	12.62	8.16	3.14	36
26	19.93	18.66	16.12	12.48	8.00	2.96	34
28	19.91	18.60	16.01	12.35	7.84	2.79	32
30	19.88	18.53	15.91	12.21	7.67	2.62	30
32	19.86	18.46	15.80	12.07	7.51	2.44	28
34	19.83	18.39	15.69	11.93	7.35	2.27	26
36	19.81	18.32	15.58	11.79	7.19	2.10	24
38	19.78	18.25	15.47	11.65	7.02	1.92	22
40	19.75	18.18	15.36	11.50	6.86	1.75	20
42	19.72	18.10	15.25	11.36	6.69	1.57	18
44	19.68	18.03	15.14	11.22	6.53	1.40	16
46	19.65	17.94	15.02	11.07	6.36	1.22	14
48	19.62	17.87	14.90	10.92	6.29	1.05	12
50	19.58	17.78	14.87	10.77	6.03	0.88	10
52	19.54	17.71	14.67	10.63	5.86	0.70	8
54	19.50	17.62	14.55	10.48	5.70	0.52	6
56	19.46	17.54	14.42	10.33	5.53	0.35	4
58	19.41	17.45	14.30	10.18	5.36	0.18	2
60	19.37	17.37	14.18	10.03	5.19	0.00	0
Minutes	11^h- $23+$	10^h- $22+$	9^h- $21+$	8^h- $20+$	7^h- $19+$	6^h- $18+$	Minutes

0.° PRECESSION IN R. A. FOR 1880 **0.°**

R. A. for + Decl.		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	R. A for − Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	12 0	24 0
10	11 50	.072	.073	.074	.075	.076	.077	.078	.080	.081	.082	.083	10	23 50
20	40	.072	.074	.076	.078	.080	.082	.084	.087	.089	.091	.093	20	40
30	30	.072	.075	.078	.081	.084	.087	.090	.094	.097	.100	.103	30	30
40	20	.072	.076	.080	.084	.088	.092	.096	.101	.105	.109	.113	40	20
50	10	.072	.077	.082	.087	.092	.097	.102	.108	.113	.118	.123	50	10
1 0	11 0	3.072	3.078	3.084	3.090	3.096	3.102	3.108	3.115	3.121	3.127	3.133	13 0	23 0
10	10 50	.072	.079	.086	.093	.100	.107	.114	.122	.129	.136	.143	10	22 50
20	40	.072	.080	.088	.096	.104	.112	.120	.128	.136	.144	.152	20	40
30	30	.072	.081	.090	.099	.108	.117	.126	.135	.144	.153	.162	30	30
40	20	.072	.082	.092	.102	.111	.121	.131	.141	.151	.161	.171	40	20
50	10	.072	.083	.094	.105	.115	.126	.137	.148	.159	.170	.181	50	10
2 0	10 0	3.072	3.084	3.095	3.107	3.118	3.130	3.142	3.154	3.166	3.178	3.190	14 0	23 0
10	9 50	.072	.085	.097	.110	.122	.135	.147	.160	.173	.186	.199	10	22 50
20	40	.072	.086	.099	.112	.125	.139	.152	.166	.180	.193	.207	20	40
30	30	.072	.087	.101	.115	.129	.143	.157	.172	.187	.201	.215	30	30
40	20	.072	.087	.102	.117	.132	.147	.162	.178	.193	.208	.223	40	20
50	10	.072	.088	.104	.120	.135	.151	.167	.183	.199	.215	.231	50	10
3 0	9 0	3.072	3.089	3.105	3.122	3.138	3.155	3.171	3.188	3.205	3.222	3.238	15 0	21 0
10	8 50	.072	.090	.107	.124	.141	.159	.176	.193	.211	.228	.245	10	20 50
20	40	.072	.090	.108	.126	.144	.162	.180	.198	.216	.234	.252	20	40
30	30	.072	.091	.109	.128	.147	.165	.184	.202	.221	.240	.259	30	30
40	20	.072	.091	.110	.130	.149	.168	.187	.206	.226	.245	.265	40	20
50	10	.072	.092	.111	.132	.151	.171	.190	.210	.230	.250	.271	50	10
4 0	8 0	3.072	3.092	3.112	3.133	3.153	3.173	3.193	3.214	3.234	3.255	3.276	16 0	20 0
10	7 50	.072	.093	.113	.135	.155	.176	.196	.217	.238	.260	.281	10	19 50
20	40	.072	.093	.114	.136	.157	.178	.199	.220	.242	.264	.285	20	40
30	30	.072	.094	.115	.137	.159	.180	.202	.223	.245	.268	.289	30	30
40	20	.072	.094	.116	.138	.160	.182	.204	.226	.248	.271	.293	40	20
50	10	.072	.095	.117	.139	.161	.184	.206	.229	.251	.274	.296	50	10
5 0	7 0	3.072	3.095	3.117	3.140	3.162	3.185	3.207	3.231	3.253	3.277	3.299	17 0	19 0
10	6 50	.072	.095	.118	.141	.163	.186	.209	.233	.255	.279	.302	10	18 50
20	40	.072	.095	.118	.141	.164	.187	.210	.234	.257	.281	.304	20	40
30	30	.072	.095	.118	.142	.165	.188	.211	.235	.258	.282	.306	30	30
40	20	.072	.095	.118	.142	.165	.188	.211	.236	.259	.283	.307	40	20
50	10	.072	.095	.118	.142	.165	.189	.212	.236	.260	.284	.308	50	10
6 0	6 0	3.072	3.095	3.118	3.142	3.165	3.189	3.212	3.236	3.260	3.284	3.308	18 0	18 0

0.° PRECESSION IN R. A. FOR 1880 0.°

R. A. for+Decl.		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	R. A. for−Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	0 0	12 0
10	23 50	.072	.071	.070	.069	.068	.067	.065	.064	.063	.062	.061	10	11 50
20	40	.072	.070	.068	.066	.064	.062	.059	.057	.055	.053	.051	20	40
30	30	.072	.069	.066	.063	.060	.057	.053	.050	.047	.044	.041	30	30
40	20	.072	.068	.064	.060	.056	.052	.047	.043	.039	.035	.031	40	20
50	10	.072	.067	.062	.057	.052	.047	.041	.036	.031	.026	.021	50	10
13 0	23 0	3.072	3.066	3.060	3.054	3.048	3.042	3.035	3.029	3.023	3.017	3.011	1 0	11 0
10	22 50	.072	.065	.058	.051	.044	.037	.029	.022	.015	.008	3.001	10	10 50
20	40	.072	.064	.056	.048	.040	.032	.024	.016	.008	3.000	2.991	20	40
30	30	.072	.063	.054	.045	.036	.027	.018	.009	3.000	2.991	.981	30	30
40	20	.072	.062	.052	.042	.033	.023	.013	3.003	2.993	.982	.972	40	20
50	10	.072	.061	.050	.039	.029	.018	.007	2.996	.986	.974	.963	50	10
14 0	22 0	3.072	3.060	3.048	3.037	3.026	3.014	3.002	2.990	2.978	2.966	2.954	2 0	10 0
10	21 50	.072	.059	.046	.034	.022	.009	2.996	.983	.971	.958	.945	10	9 50
20	40	.072	.058	.045	.032	.019	.005	.991	.977	.964	.950	.936	20	40
30	30	.072	.057	.043	.029	.015	3.001	.986	.971	.957	.943	.928	30	30
40	20	.072	.057	.042	.027	.012	2.997	.981	.966	.951	.936	.920	40	20
50	10	.072	.056	.040	.024	.009	.993	.976	.960	.945	.929	.912	50	10
15 0	21 0	3.072	3.055	3.039	3.022	3.006	2.989	2.972	2.955	2.939	2.922	2.905	3 0	9 0
10	20 50	.072	.054	.037	.020	.003	.985	.968	.950	.933	.916	.898	10	8 50
20	40	.072	.054	.036	.018	3.000	.982	.964	.946	.928	.910	.891	20	40
30	30	.072	.053	.034	.016	2.997	.979	.960	.941	.923	.904	.885	30	30
40	20	.072	.053	.033	.014	.995	.976	.956	.937	.918	.899	.879	40	20
50	10	.072	.052	.032	.012	.993	.973	.953	.933	.913	.894	.873	50	10
16 0	20 0	3.072	3.052	3.031	3.011	2.991	2.971	2.950	2.930	2.909	2.889	2.868	4 0	8 0
10	19 50	.072	.051	.030	.009	.989	.968	.947	.926	.905	.884	.863	10	7 50
20	40	.072	.051	.029	.008	.987	.966	.945	.923	.901	.880	.858	20	40
30	30	.072	.050	.028	.007	.985	.964	.942	.920	.898	.876	.854	30	30
40	20	.072	.050	.028	.006	.984	.962	.940	.918	.895	.873	.850	40	20
50	10	.072	.050	.027	.005	.983	.960	.938	.915	.892	.870	.846	50	10
17 0	19 0	3.072	3.050	3.027	3.004	2.982	2.959	2.936	2.913	2.890	2.867	2.843	5 0	7 0
10	18 50	.072	.049	.026	.003	.981	.958	.934	.912	.888	.865	.841	10	6 50
20	40	.072	.049	.026	.003	.980	.957	.933	.910	.886	.863	.839	20	40
30	30	.072	.049	.025	.002	.979	.956	.932	.909	.885	.862	.838	30	30
40	20	.072	.049	.025	.002	.979	.956	.932	.909	.885	.861	.837	40	20
50	10	.072	.049	.025	.002	.978	.955	.931	.908	.884	.860	.836	50	10
18 0	18 0	3.072	3.049	3.025	3.002	2.978	2.955	2.931	2.908	2.884	2.860	2.836	6 0	6 0

PRECESSION IN R. A. FOR 1880

R. A. for+Decl.		10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	R. A. for−Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	12 0	24 0
10	11 50	.083	.084	.085	.086	.087	.088	.089	.090	.091	.092	.094	10	23 50
20	40	.093	.095	.097	.099	.101	.103	.105	.108	.110	.112	.115	20	40
30	30	.103	.106	.109	.113	.116	.119	.122	.126	.129	.132	.136	30	30
40	20	.113	.117	.121	.126	.130	.134	.138	.143	.147	.152	.157	40	20
50	10	.123	.128	.133	.139	.144	.150	.155	.161	.166	.172	.178	50	10
1 0	11 0	3.133	3.139	3.145	3.152	3.158	3.165	3.171	3.178	3.184	3.191	3.198	13 0	23 0
10	10 50	.143	.150	.157	.165	.172	.180	.187	.195	.202	.210	.218	10	22 50
20	40	.152	.161	.169	.178	.186	.195	.203	.212	.220	.229	.238	20	40
30	30	.162	.172	.181	.190	.199	.210	.219	.229	.238	.248	.258	30	30
40	20	.171	.182	.192	.202	.212	.224	.234	.245	.255	.266	.277	40	20
50	10	.181	.192	.203	.214	.225	.238	.249	.261	.272	.284	.296	50	10
2 0	10 0	3.190	3.202	3.214	3.226	3.238	3.251	3.263	3.276	3.289	3.302	3.315	14 0	22 0
10	9 50	.199	.212	.225	.238	.251	.264	.277	.291	.305	.319	.333	10	21 50
20	40	.207	.221	.235	.249	.263	.277	.291	.306	.321	.336	.351	20	40
30	30	.215	.230	.245	.260	.275	.290	.305	.321	.336	.352	.368	30	30
40	20	.223	.239	.254	.270	.286	.302	.318	.335	.351	.368	.385	40	20
50	10	.231	.248	.263	.280	.297	.314	.330	.348	.365	.383	.401	50	10
3 0	9 0	3.238	3.256	3.272	3.290	3.307	3.325	3.342	3.361	3.379	3.398	3.416	15 0	21 0
10	8 50	.245	.264	.281	.299	.317	.336	.354	.373	.392	.412	.431	10	20 50
20	40	.252	.271	.289	.308	.327	.346	.365	.385	.405	.425	.445	20	40
30	30	.259	.278	.297	.316	.336	.356	.376	.396	.417	.437	.458	30	30
40	20	.265	.285	.304	.324	.344	.365	.386	.407	.428	.449	.471	40	20
50	10	.271	.291	.311	.332	.352	.374	.395	.417	.438	.460	.483	50	10
4 0	8 0	3.276	3.297	3.318	3.339	3.360	3.382	3.404	3.426	3.448	3.471	3.494	16 0	20 0
10	7 50	.281	.302	.324	.346	.367	.390	.412	.434	.457	.481	.504	10	19 50
20	40	.285	.307	.329	.352	.374	.397	.419	.442	.465	.490	.514	20	40
30	30	.289	.312	.334	.357	.380	.403	.426	.449	.473	.498	.522	30	30
40	20	.293	.316	.339	.362	.385	.409	.432	.456	.480	.505	.530	40	20
50	10	.296	.320	.343	.366	.390	.414	.437	.462	.486	.511	.536	50	10
5 0	7 0	3.299	3.323	3.347	3.370	3.394	3.418	3.442	3.467	3.492	3.517	3.542	17 0	19 0
10	6 50	.302	.326	.350	.373	.397	.422	.446	.471	.496	.521	.546	10	18 50
20	40	.304	.328	.352	.376	.400	.425	.450	.475	.500	.525	.550	20	40
30	30	.306	.330	.354	.378	.402	.427	.452	.478	.503	.528	.553	30	30
40	20	.307	.331	.355	.380	.404	.429	.454	.480	.505	.530	.556	40	20
50	10	.308	.332	.356	.381	.405	.430	.455	.481	.506	.531	.557	50	10
6 0	6 0	3.308	3.332	3.356	3.381	3.405	3.430	3.455	3.481	3.506	3.532	3.558	18 0	18 0

10.° PRECESSION IN R. A. FOR 1880 10.°

R. A. for+Decl.		10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	R. A. for−Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	0 0	12 0
10	23 50	.061	.060	.059	.058	.057	.056	.055	.054	.053	.052	.051	10	11 50
20	40	.051	.049	.047	.045	.043	.041	.038	.036	.034	.032	.030	20	40
30	30	.041	.038	.034	.031	.028	.025	.021	.018	3.015	3.012	3.009	30	30
40	20	.031	.027	.022	.018	3.014	3.010	.005	3.001	2.996	2.993	2.988	40	20
50	10	.021	.016	3.009	3.004	2.999	2.994	2.988	2.983	.977	.972	.967	50	10
13 0	23 0	3.011	3.005	2.997	2.991	2.985	2.979	2.972	2.966	2.959	2.953	2.946	1 0	11 0
10	22 50	3.001	2.994	.985	.978	.971	.964	.956	.949	.941	.934	.926	10	10 50
20	40	2.991	.983	.974	.966	.957	.949	.940	.932	.923	.915	.906	20	40
30	30	.981	.972	.963	.953	.943	.934	.924	.915	.905	.896	.886	30	30
40	20	.972	.962	.952	.941	.930	.920	.909	.899	.888	.877	.867	40	20
50	10	.963	.952	.941	.929	.917	.906	.894	.883	.871	.859	.848	50	10
14 0	22 0	2.954	2.942	2.930	2.918	2.905	2.893	2.880	2.868	2.855	2.842	2.829	2 0	10 0
10	21 50	.945	.932	.919	.906	.893	.880	.865	.852	.838	.825	.811	10	9 50
20	40	.936	.923	.909	.895	.881	.867	.851	.837	.822	.808	.793	20	40
30	30	.928	.914	.899	.884	.869	.854	.838	.823	.807	.792	.776	30	30
40	20	.920	.905	.889	.874	.858	.842	.825	.809	.792	.776	.759	40	20
50	10	.912	.896	.880	.864	.847	.830	.812	.796	.778	.761	.743	50	10
15 0	21 0	2.905	2.888	2.871	2.854	2.837	2.819	2.800	2.783	2.764	2.746	2.728	3 0	9 0
10	20 50	.898	.880	.862	.845	.827	.809	.789	.771	.751	.732	.713	10	8 50
20	40	.891	.873	.854	.836	.817	.798	.778	.759	.739	.719	.699	20	40
30	30	.885	.866	.846	.827	.808	.788	.768	.748	.727	.706	.686	30	30
40	20	.879	.859	.839	.819	.799	.779	.758	.737	.715	.694	.673	40	20
50	10	.873	.853	.832	.812	.791	.770	.749	.727	.705	.683	.661	50	10
16 0	20 0	2.868	2.847	2.826	2.805	2.783	2.762	2.740	2.718	2.695	2.673	2.650	4 0	8 0
10	19 50	.863	.841	.820	.798	.776	.754	.732	.709	.685	.663	.640	10	7 50
20	40	.858	.836	.814	.792	.769	.747	.724	.702	.677	.654	.630	20	40
30	30	.854	.832	.809	.787	.763	.741	.717	.695	.670	.646	.621	30	30
40	20	.850	.828	.805	.782	.758	.735	.711	.688	.663	.639	.614	40	20
50	10	.846	.824	.801	.778	.753	.730	.706	.682	.657	.633	.607	50	10
17 0	19 0	2.843	2.821	2.797	2.774	2.749	2.726	2.701	2.677	2.652	2.628	2.602	5 0	7 0
10	18 50	.841	.818	.794	.771	.746	.722	.697	.673	.648	.623	.598	10	6 50
20	40	.839	.816	.792	.768	.743	.719	.694	.669	.644	.619	.594	20	40
30	30	.838	.814	.790	.766	.741	.717	.692	.666	.641	.617	.590	30	30
40	20	.837	.813	.789	.764	.739	.715	.690	.664	.638	.615	.588	40	20
50	10	.836	.812	.788	.763	.738	.714	.689	.663	.638	.613	.587	50	10
18 0	18 0	2.836	2.812	2.787	2.763	2.738	2.714	2.688	2.663	2.637	2.612	2.586	6 0	6 0

20.° PRECESSION IN R. A. FOR 1880 **20.°**

R. A. for + Decl.		20°	21°	22°	23°	24°	25°	26°	27°	28°	29°	30°	R. A. for — Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	12 0	24 0
10	11 50	.094	.095	.096	.097	.098	.100	.101	.102	.103	.105	.106	10	23 50
20	40	.115	.117	.119	.122	.124	.127	.129	.132	.134	.137	.140	20	40
30	30	.136	.139	.143	.146	.150	.154	.158	.161	.165	.169	.173	30	30
40	20	.157	.161	.166	.171	.176	.181	.186	.191	.196	.201	.206	40	20
50	10	.178	.183	.189	.195	.201	.207	.213	.220	.226	.233	.239	50	10
1 0	11 0	3.198	3.205	3.212	3.219	3.226	3.234	3.241	3.249	3.256	3.264	3.272	13 0	23 0
10	10 50	.218	.227	.235	.243	.251	.260	.268	.277	.286	.295	.304	10	22 50
20	40	.238	.248	.257	.266	.276	.286	.295	.305	.315	.326	.336	20	40
30	30	.258	.269	.279	.289	.300	.311	.322	.333	.344	.356	.368	30	30
40	20	.277	.289	.301	.312	.324	.336	.348	.360	.373	.386	.399	40	20
50	10	.296	.309	.322	.334	.347	.360	.373	.387	.401	.415	.429	50	10
2 0	10 0	3.315	3.329	3.342	3.356	3.370	3.384	3.398	3.413	3.428	3.443	3.458	14 0	22 0
10	9 50	.333	.348	.362	.377	.392	.407	.423	.438	.454	.471	.487	10	21 50
20	40	.351	.367	.382	.398	.414	.430	.446	.463	.480	.497	.515	20	40
30	30	.368	.385	.401	.418	.435	.452	.469	.487	.505	.523	.542	30	30
40	20	.385	.402	.420	.437	.455	.473	.491	.510	.529	.549	.568	40	20
50	10	.401	.419	.437	.456	.474	.493	.513	.533	.553	.573	.594	50	10
3 0	9 0	3.416	3.435	3.454	3.474	3.493	3.513	3.533	3.554	3.575	3.596	3.618	15 0	21 0
10	8 50	.431	.451	.471	.491	.511	.532	.553	.575	.596	.619	.641	10	20 50
20	40	.445	.465	.486	.507	.528	.550	.572	.594	.617	.640	.664	20	40
30	30	.458	.479	.501	.523	.545	.567	.590	.613	.636	.660	.685	30	30
40	20	.471	.493	.515	.537	.560	.583	.606	.630	.655	.679	.705	40	20
50	10	.483	.505	.528	.551	.574	.598	.622	.647	.672	.697	.723	50	10
4 0	8 0	3.494	3.517	3.540	3.564	3.588	3.612	3.637	3.662	3.688	3.714	3.741	16 0	20 0
10	7 50	.504	.528	.551	.576	.600	.625	.651	.676	.703	.730	.757	10	19 50
20	40	.514	.537	.562	.587	.612	.637	.663	.690	.717	.744	.772	20	40
30	30	.522	.546	.571	.597	.622	.648	.675	.702	.729	.757	.785	30	30
40	20	.530	.555	.580	.606	.632	.658	.685	.712	.740	.769	.798	40	20
50	10	.536	.562	.588	.614	.640	.667	.694	.722	.750	.779	.809	50	10
5 0	7 0	3.542	3.568	3.594	3.621	3.647	3.675	3.702	3.730	3.759	3.788	3.818	17 0	19 0
10	6 50	.546	.573	.600	.626	.653	.681	.709	.737	.766	.796	.826	10	18 50
20	40	.550	.578	.604	.631	.658	.686	.715	.743	.772	.802	.832	20	40
30	30	.553	.581	.608	.635	.662	.690	.719	.748	.777	.807	.838	30	30
40	20	.556	.584	.610	.638	.665	.693	.722	.751	.780	.811	.841	40	20
50	10	.557	.585	.612	.639	.667	.695	.724	.753	.783	.813	.843	50	10
6 0	6 0	3.558	3.586	3.613	3.640	3.668	3.696	3.724	3.754	3.783	3.813	3.844	18 0	18 0

20.° PRECESSION IN R. A. FOR 1880 **20.°**

R. A. for + Decl.		20°	21°	22°	23°	24°	25°	26°	27°	28°	29°	30°	R. A. for − Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	0 0	12 0
10	23 50	.051	.050	.049	.048	.046	.045	.044	.043	.041	.040	.039	10	11 50
20	40	.030	.028	.025	3.023	3.020	3.018	3.015	3.013	3.010	3.008	3.005	20	40
30	30	3.009	3.005	3.002	2.998	2.995	2.991	2.987	2.983	2.980	2.976	2.972	30	30
40	20	2.988	2.983	2.979	.974	.969	.964	.959	.954	.949	.944	.938	40	20
50	10	.967	.961	.955	.950	.944	.937	.931	.925	.918	.912	.905	50	10
13 0	23 0	2.946	2.940	2.933	2.925	2.918	2.911	2.904	2.896	2.888	2.881	2.872	1 0	11 0
10	22 50	.926	.918	.910	.902	.893	.885	.876	.868	.859	.849	.840	10	10 50
20	40	.906	.897	.888	.878	.869	.859	.849	.839	.829	.819	.808	20	40
30	30	.886	.876	.866	.855	.845	.834	.823	.812	.800	.789	.777	30	30
40	20	.867	.855	.844	.833	.821	.809	.797	.784	.772	.759	.746	40	20
50	10	.848	.835	.823	.810	.797	.785	.771	.758	.744	.730	.716	50	10
14 0	22 0	2.829	2.816	2.802	2.789	2.775	2.761	2.746	2.732	2.717	2.702	2.686	2 0	10 0
10	21 50	.811	.797	.782	.767	.753	.737	.722	.706	.690	.674	.658	10	9 50
20	40	.793	.778	.763	.747	.731	.715	.698	.682	.665	.647	.630	20	40
30	30	.776	.760	.744	.727	.710	.693	.675	.658	.640	.621	.603	30	30
40	20	.759	.743	.725	.708	.690	.672	.653	.634	.615	.596	.576	40	20
50	10	.743	.726	.707	.689	.670	.651	.632	.612	.592	.572	.551	50	10
15 0	21 0	2.728	2.709	2.690	2.671	2.651	2.631	2.611	2.591	2.570	2.548	2.527	3 0	9 0
10	20 50	.713	.694	.674	.654	.634	.613	.592	.570	.548	.526	.503	10	8 50
20	40	.699	.679	.659	.638	.616	.595	.573	.551	.528	.505	.481	20	40
30	30	.686	.665	.644	.622	.600	.578	.555	.532	.508	.484	.460	30	30
40	20	.673	.652	.630	.607	.585	.562	.538	.514	.490	.465	.440	40	20
50	10	.661	.640	.617	.594	.570	.547	.522	.498	.473	.447	.421	50	10
16 0	20 0	2.650	2.628	2.605	2.581	2.557	2.532	2.508	2.482	2.457	2.431	2.404	4 0	8 0
10	19 50	.640	.617	.593	.569	.544	.519	.494	.468	.442	.415	.388	10	7 50
20	40	.630	.607	.583	.558	.533	.507	.481	.455	.428	.401	.372	20	40
30	30	.621	.598	.573	.548	.522	.496	.470	.443	.416	.388	.359	30	30
40	20	.614	.590	.565	.539	.513	.487	.460	.432	.404	.376	.347	40	20
50	10	.607	.583	.557	.531	.505	.478	.451	.423	.394	.366	.336	50	10
17 0	19 0	2.602	2.577	2.551	2.524	2.497	2.470	2.443	2.414	2.386	2.357	2.327	5 0	7 0
10	18 50	.598	.571	.545	.518	.491	.464	.436	.407	.378	.349	.319	10	6 50
20	40	.594	.567	.540	.513	.486	.458	.430	.401	.372	.343	.312	20	40
30	30	.590	.564	.537	.510	.482	.454	.426	.397	.368	.338	.307	30	30
40	20	.588	.561	.534	.507	.479	.451	.423	.394	.364	.334	.303	40	20
50	10	.587	.560	.533	.505	.478	.450	.421	.392	.362	.332	.301	50	10
18 0	18 0	2.586	2.559	2.532	2.505	2.477	2.449	2.420	2.391	2.361	2.331	2.300	6 0	6 0

30.° PRECESSION IN R. A. FOR 1880 30.°

R. A. for + Decl.		30°	31°	32°	33°	34°	35°	36°	37°	38°	39°	40°	R. A. for − Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	12 0	24 0
10	11 50	.106	.107	.109	.110	.112	.113	.115	.116	.118	.120	.121	10	23 50
20	40	.140	.142	.145	.148	.151	.154	.157	.160	.163	.167	.170	20	40
30	30	.173	.177	.181	.186	.190	.195	.199	.204	.209	.214	.219	30	30
40	20	.206	.212	.217	.223	.229	.235	.241	.247	.254	.260	.267	40	20
50	10	.239	.246	.253	.260	.268	.275	.283	.290	.298	.307	.315	50	10
1 0	11 0	3.272	3.280	3.289	3.297	3.306	3.315	3.324	3.333	3.343	3.352	3.363	13 0	23 0
10	10 50	.304	.314	.324	.333	.343	.354	.364	.375	.386	.398	.410	10	22 50
20	40	.336	.347	.358	.369	.381	.393	.405	.417	.430	.443	.456	20	40
30	30	.368	.380	.392	.405	.417	.431	.444	.458	.472	.487	.502	30	30
40	20	.399	.412	.425	.439	.453	.468	.483	.498	.514	.530	.546	40	20
50	10	.429	.443	.458	.473	.489	.505	.521	.538	.555	.572	.590	50	10
2 0	10 0	3.458	3.474	3.490	.506	3.523	3.540	3.558	3.576	3.595	3.614	3.633	14 0	22 0
10	9 50	.487	.504	.521	.539	.557	.575	.594	.614	.634	.654	.675	10	21 50
20	40	.515	.533	.552	.570	.590	.609	.629	.650	.671	.693	.716	20	40
30	30	.542	.561	.581	.601	.621	.642	.664	.686	.708	.731	.755	30	30
40	20	.568	.589	.609	.630	.652	.674	.697	.720	.744	.768	.793	40	20
50	10	.594	.615	.637	.659	.682	.705	.729	.753	.778	.804	.830	50	10
3 0	9 0	3.618	3.640	3.663	3.686	3.710	3.734	3.759	3.785	3.811	3.838	3.866	15 0	21 0
10	8 50	.641	.665	.688	.712	.737	.762	.788	.815	.842	.870	.899	10	20 50
20	40	.664	.688	.712	.737	.763	.789	.816	.844	.872	.902	.932	20	40
30	30	.685	.710	.735	.761	.788	.815	.843	.872	.901	.931	.962	30	30
40	20	.705	.730	.757	.784	.811	.839	.868	.898	.928	.959	3.991	40	20
50	10	.723	.750	.777	.805	.833	.862	.892	.922	.953	3.985	4.018	50	10
4 0	8 0	3.741	3.768	3.796	3.824	2.853	3.883	3.914	3.945	3.977	4.010	4.044	16 0	20 0
10	7 50	.757	.785	.813	.842	.872	.903	.934	.966	3.999	.033	.067	10	19 50
20	40	.772	.800	.829	.859	.890	.921	.953	3.985	4.019	.053	.089	20	40
30	30	.785	.814	.844	.875	.905	.937	.970	4.003	.037	.073	.109	30	30
40	20	.798	.827	.857	.888	.920	.952	.985	.019	.054	.090	.126	40	20
50	10	.809	.838	.869	.900	.932	.965	3.999	.033	.068	.105	.142	50	10
5 0	7 0	3.818	3.848	3.879	3.911	3.943	3.977	4.011	4.045	4.081	4.118	4.156	17 0	19 0
10	6 50	.826	.857	.888	.920	.953	.986	.021	.056	.092	.129	.168	10	18 50
20	40	.832	.863	.895	.927	.960	3.994	.029	.065	.101	.139	.177	20	40
30	30	.838	.869	.901	.933	.966	4.000	.035	.071	.108	.146	.185	30	30
40	20	.841	.873	.905	.937	.971	.005	.040	.076	.113	.151	.190	40	20
50	10	.843	.875	.907	.940	.973	.007	.043	.079	.116	.154	.193	50	10
6 0	6 0	3.844	3.876	3.908	3.941	3.974	4.008	4.044	4.080	4.117	4.155	4.194	18 0	18 0

30.° PRECESSION IN R. A. FOR 1880 30.°

R. A. for + Decl.		30°	31°	32°	33°	34°	35°	36°	37°	38°	39°	40°	R. A. for — Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	0 0	12 0
10	23 50	.039	.037	.036	3.034	3.033	3.032	3.030	3.028	3.027	3.025	3.023	10	11 50
20	40	3.005	3.002	3.000	2.997	2.994	2.991	2.988	2.985	2.981	2.978	2.975	20	40
30	30	2.972	2.968	2.963	.959	.955	.950	.946	.941	.936	.931	.926	30	30
40	20	.938	.933	.927	.922	.916	.910	.904	.897	.891	.884	.878	40	20
50	10	.905	.898	.892	.884	.877	.870	.862	.854	.846	.838	.830	50	10
13 0	23 0	2.872	2.864	2.856	2.848	2.839	2.830	2.821	2.812	2.802	2.792	2.782	1 0	11 0
10	22 50	.840	.831	.821	.811	.801	.791	.780	.769	.758	.747	.735	10	10 50
20	40	.808	.798	.787	.775	.764	.752	.740	.728	.715	.702	.689	20	40
30	30	.777	.765	.753	.740	.727	.714	.701	.687	.673	.658	.643	30	30
40	20	.746	.733	.719	.705	.691	.677	.662	.647	.631	.615	.598	40	20
50	10	.716	.701	.687	.671	.656	.640	.624	.607	.590	.573	.554	50	10
14 0	22 0	2.686	2.671	2.655	2.638	2.621	2.604	2.587	2.569	2.550	2.531	2.511	2 0	10 0
10	21 50	.658	.641	.623	.606	.588	.569	.550	.531	.511	.491	.470	10	9 50
20	40	.630	.612	.593	.574	.555	.535	.515	.495	.473	.451	.429	20	40
30	30	.603	.583	.564	.544	.523	.503	.481	.459	.436	.413	.389	30	30
40	20	.576	.556	.535	.514	.493	.471	.448	.425	.401	.377	.351	40	20
50	10	.551	.530	.508	.486	.463	.440	.416	.392	.367	.341	.314	50	10
15 0	21 0	2.527	2.504	2.482	2.458	2.435	2.410	2.386	2.360	2.334	2.307	2.279	3 0	9 0
10	20 50	.503	.480	.456	.432	.408	.382	.356	.330	.302	.274	.245	10	8 50
20	40	.481	.457	.432	.407	.382	.355	.328	.301	.272	.243	.213	20	40
30	30	.460	.435	.410	.384	.357	.329	.302	.273	.244	.214	.182	30	30
40	20	.440	.414	.388	.361	.334	.305	.277	.247	.217	.186	.153	40	20
50	10	.421	.395	.368	.340	.312	.283	.253	.223	.191	.159	.126	50	10
16 0	20 0	2.404	2.377	2.349	2.320	2.291	2.262	2.231	2.200	2.168	2.135	2.101	4 0	8 0
10	19 50	.388	.360	.331	.302	.272	.242	.211	.179	.146	.112	.077	10	7 50
20	40	.372	.344	.315	.285	.255	.224	.192	.159	.126	.091	.056	20	40
30	30	.359	.330	.301	.270	.239	.208	.175	.142	.107	.072	.036	30	30
40	20	.347	.318	.287	.256	.225	.193	.160	.126	.091	.055	.018	40	20
50	10	.336	.306	.276	.244	.212	.180	.146	.112	.076	.040	2.002	50	10
17 0	19 0	2.327	2.296	2.265	2.234	2.201	2.168	2.134	2.099	2.063	2.027	1.989	5 0	7 0
10	18 50	.319	.288	.257	.225	.192	.158	.124	.089	.053	.015	.977	10	6 50
20	40	.312	.281	.250	.217	.184	.150	.116	.080	.044	2.006	.968	20	40
30	30	.307	.276	.244	.212	.178	.144	.109	.073	.037	1.999	.960	30	30
40	20	.303	.272	.240	.208	.174	.140	.105	.069	.032	.994	.955	40	20
50	10	.301	.270	.238	.205	.171	.137	.102	.066	.029	.991	.952	50	10
18 0	18 0	2.300	2.269	2.237	2.204	2.171	1.136	2.101	2.065	2.028	1.990	1.951	6 0	6 0

40.° PRECESSION IN R. A. FOR 1880 40.°

R. A. for+Decl,		40°	41°	42°	43°	44°	45°	46°	47°	48°	49°	50°	R. A. for—Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	$3^{\mathrm{s}}072$	12 0	24 0
10	11 50	.121	.123	.125	.127	.129	.131	.133	.135	.137	.139	.142	10	23 50
20	40	.170	.174	.177	.181	.185	.189	.193	.197	.202	.206	.211	20	40
30	30	.219	.224	.230	.235	.241	.247	.253	.259	.266	.273	.280	30	30
40	20	.267	.274	.281	.289	.297	.305	.313	.321	.330	.339	.349	40	20
50	10	.315	.324	.333	.342	.352	.362	.372	.383	.394	.405	.417	50	10
1 0	11 0	3.363	3.373	3.384	3.395	3.407	3.418	3.431	3.443	3.457	3.470	3.485	13 0	23 0
10	10 50	.410	.422	.434	.447	.461	.474	.489	.503	.519	.535	.551	10	22 50
20	40	.456	.470	.484	.499	.514	.530	.546	.563	.580	.598	.617	20	40
30	30	.502	.517	.533	.549	.566	.584	.602	.621	.641	.661	.682	30	30
40	20	.546	.564	.581	.599	.618	.637	.657	.678	.700	.722	.746	40	20
50	10	.590	.609	.628	.648	.669	.690	.712	.734	.758	.783	.808	50	10
2 0	10 0	3.633	3.653	3.674	3.696	3.718	3.741	3.765	3.789	3.815	3.841	3.869	14 0	22 0
10	9 50	.675	.697	.719	.742	.766	.791	.816	.843	.870	.899	.928	10	21 50
20	40	.716	.739	.763	.787	.813	.839	.866	.895	.924	3.954	3.986	20	40
30	30	.755	.780	.805	.831	.858	.886	.915	.945	3.976	4.009	4.042	30	30
40	20	.793	.819	.846	.874	.902	.932	3.962	3.994	4.027	.061	.096	40	20
50	10	.830	.857	.885	.914	.944	3.976	4.008	4.041	.076	.111	.149	50	10
3 0	9 0	3.866	3.894	3.924	3.954	3.985	4.018	4.051	4.086	4.122	4.160	4.199	15 0	21 0
10	8 50	.899	.929	.960	3.992	4.024	.058	.093	.129	.167	.206	.247	10	20 50
20	40	.932	.963	3.994	4.027	.061	.096	.133	.171	.210	.250	.293	20	40
30	30	.962	3.994	4.027	.061	.097	.133	.171	.210	.250	.292	.336	30	30
40	20	3.991	4.024	.058	.094	.130	.167	.206	.247	.289	.332	.378	40	20
50	10	4.018	.053	.088	.124	.161	.200	.240	.281	.325	.369	.416	50	10
4 0	8 0	4.044	4.079	4.115	4.152	4.190	4.230	4.271	4.314	4.358	4.404	4.452	16 0	20 0
10	7 50	.067	.103	.140	.178	.217	.258	.300	.344	.389	.437	.486	10	19 50
20	40	.089	.126	.163	.202	.242	.284	.327	.372	.418	.466	.516	20	40
30	30	.109	.146	.184	.224	.265	.307	.351	.397	.444	.493	.544	30	30
40	20	.126	.164	.203	.244	.286	.329	.373	.419	.468	.518	.570	40	20
50	10	.142	.181	.220	.261	.304	.347	.393	.440	.489	.539	.592	50	10
5 0	7 0	4.156	4.195	4.235	4.277	4.319	4.364	4.410	4.457	4.507	4.558	4.611	17 0	19 0
10	6 50	.168	.207	.248	.290	.333	.378	.424	.472	.522	.574	.628	10	18 50
20	40	.177	.217	.258	.301	.344	.389	.436	.484	.535	.587	.641	20	40
30	30	.185	.225	.266	.308	.352	.398	.445	.494	.544	.597	.652	30	30
40	20	.190	.230	.272	.314	.359	.404	.452	.501	.552	.604	.660	40	20
50	10	.193	.233	.275	.318	.362	.408	.455	.505	.556	.609	.664	50	10
6 0	6 0	4.194	4.234	4.276	4.319	4.363	4.409	4.457	4.506	4.557	4.610	4.666	18 0	18 0

40.° PRECESSION IN R. A. FOR 1880 40.°

R. A. for + Decl.		40°	41°	42°	43°	44°	45°	46°	47°	48°	49°	50°	R. A. for − Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	$3^{s}.072$	0 0	12 0
10	23 50	3.023	3.022	3.020	3.018	3.016	3.014	3.012	3.010	3.008	3.005	3.003	10	11 50
20	40	2.975	2.971	2.967	2.964	2.960	2.956	2.952	2.947	2.943	2.938	2.933	20	40
30	30	.926	.921	.915	.910	.904	.898	.892	.885	.878	.872	.864	30	30
40	20	.878	.871	.863	.856	.848	.840	.832	.823	.814	.805	.796	40	20
50	10	.830	.821	.812	.803	.793	.783	.773	.762	.751	.739	.727	50	10
13 0	23 0	2.782	2.772	2.761	2.750	2.738	2.726	2.714	2.701	2.688	2.674	2.660	1 0	11 0
10	22 50	.735	.723	.710	.697	.684	.670	.656	.641	.626	.610	.593	10	10 50
20	40	.689	.675	.661	.646	.631	.615	.599	.582	.565	.546	.527	20	40
30	30	.643	.628	.612	.595	.578	.561	.543	.524	.504	.484	.463	30	30
40	20	.598	.581	.564	.545	.527	.507	.487	.466	.445	.422	.399	40	20
50	10	.554	.536	.516	.497	.476	.455	.433	.410	.387	.362	.337	50	10
14 0	22 0	2.511	2.491	2.470	2.449	2.427	2.404	2.380	2.356	2.330	2.303	2.276	2 0	10 0
10	21 50	.470	.448	.426	.403	.379	.354	.329	.302	.274	.246	.216	10	9 50
20	40	.429	.406	.382	.357	.332	.305	.278	.250	.221	.190	.158	20	40
30	30	.389	.365	.340	.313	.286	.258	.230	.200	.168	.136	.102	30	30
40	20	.351	.325	.299	.271	.242	.213	.182	.151	.118	.084	2.048	40	20
50	10	.314	.287	.259	.230	.200	.169	.137	.104	.069	2.033	1.996	50	10
15 0	21 0	2.279	2.251	2.221	2.191	2.159	2.127	2.093	2.059	2.022	1.985	1.946	3 0	9 0
10	20 50	.245	.215	.185	.153	.120	.087	.052	2.015	1.978	.938	.898	10	8 50
20	40	.213	.182	.150	.117	.083	.048	2.012	1.974	.935	.894	.852	20	40
30	30	.182	.150	.117	.083	.048	2.012	1.974	.935	.894	.852	.808	30	30
40	20	.153	.120	.086	.051	2.015	1.977	.938	.898	.856	.813	.767	40	20
50	10	.126	.092	.057	2.021	1.983	.945	.905	.863	.820	.775	.729	50	10
16 0	20 0	2.101	2.066	2.030	1.993	1.954	1.914	1.873	1.831	1.786	1.740	1.693	4 0	8 0
10	19 50	.077	.041	2.005	.966	.927	.886	.844	.801	.755	.708	.659	10	7 50
20	40	.056	2.019	1.981	.942	.902	.861	.818	.773	.727	.678	.628	20	40
30	30	.036	1.999	.960	.921	.880	.837	.793	.748	.701	.651	.600	30	30
40	20	.018	.980	.941	.901	.859	.816	.771	.725	.677	.627	.575	40	20
50	10	2.002	.964	.924	.883	.841	.797	.752	.705	.656	.606	.553	50	10
17 0	19 0	1.989	1.950	1.910	1.868	1.825	1.781	1.735	1.687	1.638	1.587	1.533	5 0	7 0
10	18 50	.977	.938	.897	.855	.812	.767	.721	.673	.623	.571	.517	10	6 50
20	40	.968	.928	.887	.845	.801	.756	.709	.660	.610	.558	.503	20	40
30	30	.960	.920	.879	.836	.792	.747	.700	.651	.600	.548	.493	30	30
40	20	.955	.915	.873	.830	.786	.740	.693	.644	.593	.540	.485	40	20
50	10	.952	.911	.870	.827	.783	.737	.689	.640	.589	.536	.481	50	10
18 0	18 0	1.951	1.910	1.869	1.826	1.781	1.735	1.688	1.639	1.587	1.534	1.479	6 0	6 0

50.° PRECESSION IN R. A. FOR 1880 50.°

R. A. for + Decl.		50°	51°	52°	53°	54°	55°	56°	57°	58°	59°	60°	R. A. for — Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	$3^{s}072$	12 0	24 0
10	11 50	.142	.144	.147	.150	.153	.156	.159	.162	.166	.169	.173	10	23 50
20	40	.211	.216	.221	.227	.233	.239	.245	.252	.259	.266	.274	20	40
30	30	.280	.288	.296	.304	.313	.322	.331	.341	.352	.363	.375	30	30
40	20	.349	.359	.369	.380	.392	.404	.417	.430	.444	.459	.474	40	20
50	10	.417	.430	.443	.456	.471	.486	.501	.518	.535	.554	.574	50	10
1 0	11 0	3.485	3.500	3.515	3.532	3.549	3.567	3.585	3.605	3.626	3.648	3.672	13 0	23 0
10	10 50	.551	.569	.587	.606	.626	.646	.668	.691	.716	.741	.769	10	22 50
20	40	.617	.637	.658	.679	.702	.725	.750	.777	.804	.833	.864	20	40
30	30	.682	.704	.727	.751	.777	.803	.831	.860	.891	3.924	3.959	30	30
40	20	.746	.770	.796	.822	.850	.879	.910	3.942	3.977	4.013	4.051	40	20
50	10	.808	.835	.862	.892	.922	3.954	3.988	4.023	4.060	.100	.142	50	10
2 0	10 0	3.869	3.898	3.928	3.959	3.992	4.027	4.063	4.102	4.142	4.185	4.230	14 0	22 0
10	9 50	.928	3.959	3.992	4.026	4.061	.098	.137	.178	.222	.268	.317	10	21 50
20	40	3.986	4.019	4.054	.090	.128	.167	.209	.253	.300	.349	.401	20	40
30	30	4.042	.077	.114	.152	.193	.235	.279	.326	.375	.427	.482	30	30
40	20	.096	.134	.172	.213	.255	.300	.346	.396	.448	.503	.561	40	20
50	10	.149	.188	.228	.271	.316	.362	.411	.463	.518	.576	.637	50	10
3 0	9 0	4.199	4.240	4.282	4.327	4.374	4.422	4.474	4.528	4.585	4.646	4.710	15 0	21 0
10	8 50	.247	.290	.334	.380	.429	.480	.534	.590	.650	.713	.780	10	20 50
20	40	.293	.337	.383	.431	.482	.535	.591	.649	.711	.777	.846	20	40
30	30	.336	.382	.430	.480	.532	.587	.645	.706	.770	.838	.909	30	30
40	20	.378	.425	.474	.527	.580	.636	.696	.759	.825	.895	4.969	40	20
50	10	.416	.465	.516	.569	.624	.683	.744	.809	.877	.949	5.025	50	10
4 0	8 0	4.452	4.502	4.554	4.609	4.666	4.726	4.789	4.855	4.925	4.999	5.078	16 0	20 0
10	7 50	.486	.537	.590	.646	.705	.766	.830	.898	4.970	5.046	.126	10	19 50
20	40	.516	.569	.623	.680	.740	.803	.869	.938	5.011	.089	.171	20	40
30	30	.544	.598	.653	.711	.772	.836	.904	4.974	.049	.128	.212	30	30
40	20	.570	.624	.680	.740	.802	.867	.935	5.007	.083	.163	.248	40	20
50	10	.592	.647	.704	.764	.827	.893	.963	.036	.113	.194	.281	50	10
5 0	7 0	4.611	4.667	4.725	4.786	4.850	4.917	4.987	5.061	5.139	5.222	5.309	17 0	19 0
10	6 50	.628	.684	.743	.804	.869	.936	5.007	.082	.161	.245	.333	10	18 50
20	40	.641	.698	.758	.820	.885	.953	.024	.100	.179	.264	.353	20	40
30	30	.652	.709	.769	.831	.897	.965	.037	.113	.194	.278	.368	30	30
40	20	.660	.717	.777	.840	.905	.974	.047	.123	.204	.289	.379	40	20
50	10	.664	.722	.782	.845	.911	.980	.053	.129	.210	.295	.386	50	10
6 0	6 0	4.666	4.723	4.784	4.847	4.912	4.982	5.054	5.131	5.212	5.297	5.388	18 0	18 0

50.° PRECESSION IN R. A. FOR 1880 50.°

R. A. for + Decl.		50°	51°	52°	53°	54°	55°	56°	57°	58°	59°	60°	R. A. for − Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3^{s}072	3^{s}072	3^{s}072	3^{s}072	3^{s}072	3^{s}072	3^{s}072	3^{s}072	3^{s}072	3^{s}072	3^{s}072	0 0	12 0
10	23 50	3.003	3.000	2.998	2.995	2.992	2.989	2.986	2.983	2.979	2.975	2.971	10	11 50
20	40	2.933	2.928	.923	.918	.912	.906	.899	.893	.886	.878	.871	20	40
30	30	.864	.857	.849	.841	.832	.823	.814	.804	.794	.782	.770	30	30
40	20	.796	.786	.775	.764	.753	.741	.728	.715	.701	.686	.670	40	20
50	10	.727	.715	.702	.688	.674	.659	.643	.627	.609	.591	.571	50	10
13 0	23 0	2.660	2.645	2.629	2.613	2.596	2.578	2.559	2.540	2.519	2.496	2.473	1 0	11 0
10	22 50	.593	.576	.558	.539	.519	.498	.476	.453	.429	.403	.376	10	10 50
20	40	.527	.508	.487	.466	.443	.419	.394	.368	.341	.311	.280	20	40
30	30	.463	.441	.417	.393	.368	.342	.314	.285	.254	.221	.186	30	30
40	20	.399	.375	.349	.323	.295	.265	.235	.202	.168	.132	.094	40	20
50	10	.337	.310	.282	.253	.223	.191	.157	.122	.084	2.045	2.003	50	10
14 0	22 0	2.276	2.247	2.217	2.185	2.152	2.118	2.081	2.043	2.003	1.960	1.915	2 0	10 0
10	21 50	.216	.185	.153	.119	.084	2.046	2.007	1.966	1.923	.877	.828	10	9 50
20	40	.158	.125	.091	2.055	2.017	1.977	1.935	.892	.845	.796	.744	20	40
30	30	.102	.067	2.031	1.992	1.952	.910	.866	.819	.770	.718	.663	30	30
40	20	2.048	2.011	1.972	.932	.890	.845	.798	.750	.697	.642	.584	40	20
50	10	1.996	1.957	.916	.874	.829	.782	.733	.682	.627	.569	.508	50	10
15 0	21 0	1.946	1.905	1.862	1.818	1.771	1.722	1.671	1.617	1.559	1.499	1.435	3 0	9 0
10	20 50	.898	.855	.811	.764	.716	.665	.611	.555	.495	.432	.365	10	8 50
20	40	.852	.808	.762	.713	.663	.610	.554	.495	.433	.368	.298	20	40
30	30	.808	.763	.715	.665	.612	.558	.500	.439	.375	.307	.235	30	30
40	20	.767	.720	.671	.619	.565	.508	.449	.386	.320	.250	.176	40	20
50	10	.729	.680	.629	.576	.520	.462	.401	.336	.268	.196	.119	50	10
16 0	20 0	1.693	1.643	1.590	1.536	1.479	1.419	1.356	1.289	1.219	1.145	1.067	4 0	8 0
10	19 50	.659	.608	.555	.499	.440	.379	.314	.246	.174	.099	1.018	10	7 50
20	40	.628	.576	.521	.464	.405	.342	.276	.207	.133	.056	0.974	20	40
30	30	.600	.547	.491	.433	.372	.308	.241	.170	.096	1.017	.933	30	30
40	20	.575	.521	.464	.405	.343	.278	.210	.138	.062	0.982	.896	40	20
50	10	.553	.498	.440	.380	.317	.251	.182	.109	.032	.950	.864	50	10
17 0	19 0	1.533	1.478	1.419	1.359	1.295	1.228	1.158	1.084	1.006	0.923	0.836	5 0	7 0
10	18 50	.517	.461	.402	.340	.276	.208	.137	.062	0.984	.900	.812	10	6 50
20	40	.503	.446	.387	.325	.260	.192	.120	.045	.965	.881	.792	20	40
30	30	.493	.435	.376	.313	.248	.179	.107	.031	.951	.866	.777	30	30
40	20	.485	.428	.368	.305	.239	.170	.098	.022	.941	.856	.766	40	20
50	10	.481	.423	.363	.300	.234	.165	.092	.016	.935	.850	.759	50	10
18 0	18 0	1.479	1.421	1.361	1.298	1.232	1.163	1.090	1.014	0.933	0.847	0.757	6 0	6 0

60.° PRECESSION IN R. A. FOR 1880 **60.°**

R. A. for + Decl.		60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°	R. A. for − Decl.	
h. m.	h. m.												h. m.	h. m.
0 0	12 0	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	$3^{\mathrm{s}}07$	0 0	12 0
10	11 50	.17	.17	.18	.18	.19	.20	.20	.21	.21	.22	.23	10	11 50
20	40	.27	.28	.29	.30	.31	.32	.33	.33	.36	.37	.39	20	40
30	30	.37	.38	.40	.41	.43	.44	.46	.48	.50	.52	.55	30	30
40	20	.47	.49	.51	.53	.55	.57	.59	.62	.64	.67	.71	40	20
50	10	.57	.59	.61	.64	.66	.69	.72	.75	.79	.83	3.87	50	10
1 0	11 0	3.67	3.69	3.72	3.75	3.77	3.81	3.85	3.89	3.93	3.97	4.02	1 0	11 0
10	10 50	.77	.80	.83	.86	3.89	3.93	3.97	4.02	4.07	4.12	.17	10	10 50
20	40	.86	.89	3.93	3.97	4.01	4.05	4.10	.15	.20	.26	.33	20	40
30	30	3.96	3.99	4.03	4.07	.12	.17	.22	.28	.34	.40	.48	30	30
40	20	4.05	4.09	.13	.18	.23	.28	.34	.40	.47	.54	.62	40	20
50	10	.14	.18	.23	.28	.34	.39	.46	.52	.60	.68	.77	50	10
2 0	10 0	4.23	4.28	4.33	4.38	4.44	4.50	4.57	4.64	4.72	4.81	4.91	2 0	10 0
10	9 50	.32	.37	.42	.48	.54	.61	.68	.76	.85	4.94	5.04	10	9 50
20	40	.40	.45	.51	.57	.64	.71	.79	.88	4.97	5.07	.18	20	40
30	30	.48	.54	.60	.67	.74	.82	4.90	4.99	5.08	.19	.31	30	30
40	20	.56	.62	.69	.76	.83	4.91	5.00	5.09	.20	.31	.43	40	20
50	10	.64	.70	.77	.84	.92	5.01	.10	.20	.31	.42	.55	50	10
3 0	9 0	4.71	4.78	4.85	4.93	5.01	5.10	5.19	5.30	5.41	5.53	5.67	3 0	9 0
10	8 50	.78	.85	.92	5.00	.09	.18	.28	.39	.51	.64	.78	10	8 50
20	40	.84	.92	5.99	.08	.17	.27	.37	.48	.60	.74	.88	20	40
30	30	.91	5.98	5.06	.15	.25	.35	.45	.57	.69	.83	4.99	30	30
40	20	4.97	5.04	.13	.22	.32	.42	.53	.65	.78	4.92	6.08	40	20
50	10	5.02	.10	.19	.28	.38	.49	.60	.73	.86	6.01	.17	50	10
4 0	8 0	5.08	5.16	5.25	5.34	5.44	5.55	5.67	5.80	5.94	6.09	6.25	4 0	8 0
10	7 50	.12	.21	.30	.40	.50	.61	.73	.86	6.01	.16	.33	10	7 50
20	40	.17	.26	.35	.45	.55	.67	.79	.92	.07	.23	.40	20	40
30	30	.21	.30	.39	.49	.60	.72	.84	5.98	.13	.29	.46	30	30
40	20	.25	.34	.43	.54	.65	.76	.89	6.03	.18	.34	.52	40	20
50	10	.28	.37	.47	.57	.69	.80	.93	.07	.23	.39	.57	50	10
5 0	7 0	5.31	5.40	5.50	5.60	5.72	5.84	5.97	6.11	6.27	6.43	6.62	5 0	7 0
10	6 50	.33	.42	.53	.63	.75	.87	6.00	.14	.30	.47	.66	10	6 50
20	40	.35	.44	.55	.65	.77	.89	.03	.17	.33	.50	.69	20	40
30	30	.37	.46	.56	.67	.79	.91	.05	.19	.35	.52	.71	30	30
40	20	.38	.47	.57	.68	.80	.93	.06	.21	.37	.54	.73	40	20
50	10	.38	.48	.58	.69	.81	.94	.07	.22	.38	.55	.74	50	10
6 0	6 0	5.39	5.48	5.58	5.69	5.81	5.94	6.07	6.22	6.38	6.55	6.74	6 0	6 0

60.° PRECESSION IN R. A. FOR 1880 60.°

R. A. for+Decl.		60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°	R. A. for—Decl.	
h. m.	h. m.												h. m.	h. m.
12 0	24 0	3^s07	3^s07	3^s07	3^s07	3^s07	3^s07	3^s07	3^s07	3^s07	3^s07	3^s07	0 0	12 0
10	23 50	2.97	2.96	2.96	2.96	2.95	2.94	2.94	2.93	2.93	2.92	2.91	10	11 50
20	40	.87	.86	.85	.84	.83	.82	.81	.80	.78	.77	.75	20	40
30	30	.77	.76	.74	.73	.71	.70	.68	.66	.64	.62	.59	30	30
40	20	.67	.65	.63	.61	.59	.57	.55	.52	.50	.47	.43	40	20
50	10	.57	.55	.53	.50	.48	.45	.42	.39	.35	.31	.27	50	10
13 0	23 0	2.47	2.45	2.42	2.39	2.36	2.33	2.29	2.25	2.21	2.17	2.12	1 0	11 0
10	22 50	.38	.34	.31	.28	.25	.21	.17	2.12	2.07	2.02	1.97	10	10 50
20	40	.28	.25	.21	.17	.13	2.09	2.04	1.99	1.94	1.88	.81	20	40
30	30	.18	.15	.11	2.07	2.02	1.97	1.92	.86	.81	.74	.66	30	30
40	20	.09	2.05	2.01	1.96	1.91	.86	.80	.74	.67	.60	.52	40	20
50	10	2.00	1.96	1.91	.86	.80	.75	.68	.62	.54	.46	.37	50	10
14 0	22 0	1.91	1.86	1.81	1.76	1.70	1.64	1.57	1.50	1.42	1.33	1.23	2 0	10 0
10	21 50	.83	.77	.72	.66	.60	.53	.46	.38	.29	.20	1.10	10	9 50
20	40	.74	.69	.63	.57	.50	.43	.35	.26	.17	1.07	0.96	20	40
30	30	.66	.60	.54	.47	.40	.32	.24	.15	1.06	0.95	.83	30	30
40	20	.58	.52	.45	.38	.31	.23	.14	1.05	0.94	.83	.71	40	20
50	10	.51	.44	.37	.30	.22	.13	1.04	0.94	.83	.72	.59	50	10
15 0	21 0	1.43	1.36	1.29	1.21	1.13	1.04	0.95	0.84	0.73	0.61	0.47	3 0	9 0
10	20 50	.36	.29	.22	.14	1.05	0.96	.86	.75	.63	.50	.36	10	8 50
20	40	.30	.22	.15	1.06	0.97	.87	.77	.66	.54	.40	.26	20	40
30	30	.23	.16	.08	0.99	.89	.79	.69	.57	.45	.31	.15	30	30
40	20	.18	.10	1.01	.92	.82	.72	.61	.49	.36	.22	+0.06	40	20
50	10	.12	1.04	0.95	.86	.76	.65	.54	.41	.28	.13	−0.03	50	10
16 0	20 0	1.07	0.98	0.89	0.80	0.70	0.59	0.47	0.34	0.20	+0.05	−0.11	4 0	8 0
10	19 50	1.02	.93	.84	.74	.64	.53	.41	.28	.13	−0.02	−0.19	10	7 50
20	40	0·97	.88	.79	.69	.59	.47	.35	.22	.07	−0.11	−0.26	20	40
30	30	.93	.84	.75	.65	.54	.42	.30	.16	+0.01	−0.15	−0.32	30	30
40	20	.90	.80	.71	.60	.49	.38	.25	.11	−0.04	−0.20	−0.38	40	20
50	10	.86	.77	.67	.57	.45	.34	.21	.07	−0.09	−0.25	−0.43	50	10
17 0	19 0	0.84	0.74	0.64	0.54	0.42	0.30	0.17	+0.03	−0.13	−0.29	−0.48	5 0	7 0
10	18 50	.81	.72	.61	.51	.39	.27	.14	0.00	−0.16	−0.33	−0.52	10	6 50
20	40	.79	.70	.59	.49	.37	.25	.11	−0.03	−0.19	−0.36	−0.55	20	40
30	30	.78	.68	.58	.47	.35	.23	.09	−0.05	−0.21	−0.38	−0.57	30	30
40	20	.77	.67	.57	.46	.34	.21	.08	−0.07	−0.23	−0.40	−0.59	40	20
50	10	.76	.66	.56	.45	.33	.20	.07	−0.08	−0.24	−0.41	−0.60	50	10
18 0	18 0	0.76	0.66	0.56	0.45	0.33	0.20	0.07	−0.08	−0.24	−0.41	−0.60	6 0	6 0

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1	Hu 401	DM (22°) 4952	0^h 0^m 0^s	23° 6′	215°.1	0″.70	9.1... 9.5	1901.82	Hu 3	(*Bul. L. O.* No. 21)
2	H 1000	....	0 19	1 16	220±	4±	11 ...11	1820+	H	"A very neat double star"
3	β 1155	DM (3°) 4932	0 26	3 30	90.4	0.44	8.7... 9.3	1890.82	β 3	
4	Hu 1	SD (12°) 6613	0 37	−12 50	104.0	1.07	9.1...10.0	1899.73	Hu 3	(*A. J.* 480)
5	H 3239	O. Arg. S. 23249	1 13	−26 1	336.4	20±	9 ...11	1831+	H 1	In O. Arg. 7-8 m.
6	Ku 3	DM (19°) 2	1 19	19 49	81.3	1.00	9.9... 9.9	1901.99	Ku 2	Kustner (*A. N.* 3821)
7	β 1014	L 47287	1 24	31 0	335.9	1.50	7.0...12.5	1891.70	β 3	
8	Σ 3064 *rej.*	DM (39°) 3	1 27	39 29	351.1	20±	7 ...11	1828+	H 1	
9	H 3240	....	1 28	−19 5	319.8	5±	10 ...11	1830+	H 1	
10	Σ 3063	W^1 xxiii^h. 1234	1 28	− 5 13	232.9	1.78	8.3...10.2	1831.50	Σ 3	
11	H 3241	....	1 32	56 43	10.1	13±	10 ...10–11	1830+	H 1	(See p. 1055)
12	H 1935	DM (56°) 1	1 33	56 43	7.9	15±	9 ...10	1828+	H 1	
13	See 2	Lac. 9732	1 39	−23 11	174.3	2.15	5.7...12.3	1897.73	See 1	
14	Σ 3065 *rej.*	SD (15°) 3	1 51	−14 54	289.1	9.49	8.6... 8.7	1901.82	β 2	
15	OΣ (App) 256	L 47311	1 51	30 43	116.9	103.11	7.0... 7.1	1876.32	Δ 3	
16	H 1936	....	2 2	61 36	193.8	10±	10 ...10–11	1828+	H 1	
17	H 5533	DM (−0°) 5	2 4	0 0	75±	28±	10 = 10	1823+	H 1	"A star 7 m. follows"
18	Hu 2	SD (12°) 2	2 11	−12 4	68.3	3.73	9.1...10.3	1899.73	Hu 3	(*A. J.* 480)
19	Σ 13, App. II	α *Andromedae*	2 11	28 26	266.8	64.96	2.0...11.2	1836.38	Σ 6	
20	Hd 1	DM (3°) 4	2 19	4 7	*p*	20±	9 ...16	1868	Hd	
21	Σ 2	*Cephei* 316	2 36	79 3	341.5	0.81	6.3... 6.6	1830.85	Σ 5	
22	Espin 113	DM (66°) 6	2 36	66 37	122.6	6.8	8.5...11	1902	Es 1	(*Mon. Not.* LXIII, 172)
23	Σ 1	W^2 xxiii^h. 1386	2 38	36 33	286.5	9.45	8.5...10.0	1828.84	Σ 2	
24	A. G. Clark 15	β *Cassiopeiae*	2 43	58 29	189.2	22.63	2 ...13.7	1889.59	β 3	
25	Hu 402	DM (22°) 5	2 49	22 59	64.1	0.37	9.0...11.8	1901.85	Hu 3	(*Bul. L. O.* No. 21)
26	β 483	L 47348	2 50	40 11	44.7	2.37	7.5...11.8	1878.66	β 1	
27	Arg. 1	O. Arg. N. 21.	2 51	58 58	144.8	23.35	8.8... 8.8	1901.82	β 2	
28	H 1001	DM (43°) 7	2 57	44 4	84.5	13±	9–10...10–11	1828+	H 1	
29	Espin 114	DM (66°) 7	3 6	66 29	161.6	5.0	8.7...11.2	1902	Es 3	(*Mon. Not.* LXIII, 3)
30	β 391	κ^1 *Sculptoris*	3 14	−28 39	97.2	0.78	6.0... 6.2	1876.79	Cin 1	
31	A 430	A. G. Camb. 26	3 26	26 1	166.7	3.87	8.6...14.3	1903.57	A 3	
32	O. Stone 1	W^1 0^h. 14	3 28	−14 51	106.4	9.65	8.0... 8.0	1878.79	Cin 2	
33	β 484	DM (51°) 9	3 29	51 22	156.3	1.95	7.7...11.9	1878.66	β 2	
34	H 1938	....	3 35	74 28	341.0	14±	10 ...10	1830+	H	
35	Σ 4	W^1 0^h. 19	3 38	7 47	272.2	5.53	8.7... 8.8	1829.47	Σ 3	
36	H 1939	DM (10°) 7	3 41	10 45	158.3	30±	7 ...10	1830+	H 1	
37	Σ 3	*Andromedae* 51	3 49	45 43	84.1	4.91	7.5... 8.5	1831.85	Σ 3	*White*
38	Σ 5	34 *Piscium*	3 51	10 29	162.8	8.03	6.0...10.5	1830.32	Σ 4	6.0 *very white*
39	H 1940	....	3 55	71 51	....	6±	10–11...12	1830+	H 1	
40	Σ 6 *rej.*	DM (4°) 9	4 6	4 13	193.2	22.56	8 ...13	1869.92	Hd 1	
41	β 253	DM (57°) 15	4 8	57 51	49.9	0.42	8.3... 8.5	1875.95	Δ 5	
42	H 1002	DM (14°) 7	4 15	14 44	30.0	15±	10 ...13	1828+	H 1	
43	β 485	DM (57°) 22	4 29	58 6	148.5	0.41	8.7... 9.0	1878.17	β 2	
44	Hu 503	DM (49°) 20	4 30	49 17	32.1	4.24	8.5...11.8	1902.51	Hu 3	(*Bul. L. O.* No. 27)
45	Kr 1	A. G. Hels. 74	4 38	57 10	189.9	1.70	9.2... 9.5	1890.76	β 1	
46	H 5450	....	4 40	35 22	....	....	....	1823+	H 1	
47	H 3351	....	4 51	−23 20	135±	8±	11 ...11½	1835.86	H 1	
48	H 1003	O. Arg. N. 66	4 51	57 15	34.8	9±	9 ...12	1828+	H 1	(See p. 1055)
49	H 617	DM (0°) 9	5 4	0 36	55±	6±	9 ...14	1820+	H 1	
50	Hd 2	W^1 0^h. 57	5 6	7 17	*sf*	6±	7.5...17	1868	Hd	
51	Espin 40	DM (51°) 18	5 9	51 24	72.9	3.27	8.7...11.7	1902.03	Es 2	A and B }
					336.5	20±	9 ...10	1828+	H 1	A and C }
52	β 254	O. Arg. N. 74	5 14	59 6	237.7	7.41	7.5...11.5	1875.71	Δ 4	
53	Ho 1	W^2 0^h. 75	5 15	28 56	348.6	1.00	8.5... 8.5	1884.40	Ho 2	
54	Σ 7	DM (55°) 15	5 21	55 18	216.6	1.31	8.0... 8.5	1831.75	Σ 3	*Very white*
55	Σ 8	*Ceti* 27	0 5 25	− 3 45	292.6	7.31	7.2... 8.8	1831.69	Σ 5	*Yel. wh.: ash*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
56	OΣ 1	Rad^1. 14	0^h 5^{m}27^s	65°28′	204°.4	1″.44	7.2... 9.9	1850.25	OΣ 6	*White: blue*
57	H 1941	....	5 31	71 51	193.6	12±	10–11...11	1830+	H 1	
58	....	DM (35°) 21	5 32	35 28	234.6	4.61	9.5...12.7	1903.26	β 2	
59	Hd 3	W^1 0^h. 68	5 34	3 32	175±	20±	9.5...14	1868	Hd	(See p. 1055)
60	H 1943	DM (19°) 15	5 37	19 12	236.8	10±	9–10...11	1830+	H 1	"Neat"
61	β 255	L 54	5 38	27 45	99.0	0.38	7.5... 7.8	1875.76	Δ 4	
62	β 1026	L 58	5 50	52 57	329.6	0.48	8.1... 8.9	1888.76	β 4	
63	H 1942	....	6 :	82 33	339.6	18±	8–9...13	1830+	H 1	Probably *Redhill* 7
64	Δ 1	....	6 21	45 45	74.4	13.04	9.0... 9.3	1875.93	Δ 2	
65	H 1005	....	6 38	50 57	100.0	7±	11–12=11–12	1828+	H 1	
66	Hd 4	DM (4°) 17	6 40	4 43	*s*	15±	9.7...12	1868.87	Hd	
67	β 864	DM (34°) 12	6 40	34 40	138.6	1.60	8.9...12.3	1880.77	β 4	
68	Hd 5	....	7 :	4 58:	....	20±	....	1868.87	Hd	"*np* DM (4°) 19"
69	H 1944	SD (17°) 17	7 7	−17 51	346.4	60±	7–8... 8–9	1830+	H 1	
70	OΣ 2	L 123	7 11	26 19	59.9	0.80	6.9... 8.3	1851.42	OΣ 5	A and B
					226.2	17.77	... 9.6	1851.42	OΣ 5	AB and C
71	OΣ (App) 1	O. Arg. N. 108	7 22	75 22	102.4	77.07	6.4... 7.0	1875.79	Δ 3	
72	H 618	DM (−0°) 17	7 22	− 0 47	250 ±	2±	10 ...11	1820+	H 1	
73	Σ 9	O. Arg. N. 112	7 26	48 53	166.0	20.00	8.5... 8.5	1830.92	Σ 2	*White*
74	β 998	L 130	7 30	5 55	114.9	1.04	8.7... 8.7	1881.86	β 3	
75	....	DM (35°) 28	7 32	35 31	318.1	20.85	9.8...10.5	1903.68	β 1	A and B
					227.3	177.71	... 8	1903.68	β 1	A and DM (35°) 27
76	β 1309	....	7 33	62 43	170.1	1.68	10.4...11.7	1903.64	β 5	A and B
					259.0	9.41	...12.1	1903.64	β 4	A and C
					129.9	74.01	... 9	1903.67	β 2	A and D
77	Hu 504	DM (48°) 44	7 44	48 39	260.8	2.23	9.0...10.5	1902.56	Hu 4	(*Bul. L. O.* No. 27)
78	H 1945	....	7 46	−12 10	323.0	15±	10 ...11	1830±	H 1	"A 9 m star s' *s*"
79	Hd 6	....	8 :	−23 31:	90 ±	5±	10 ...10	1880.89	Hd	A and B
					200 ±	10±	...12.5	1880.89	Hd	A and C
80	Hn 1	DM (53°) 25	8 15	53 10	13.3	2.81	8.4...10.9	1881.56	β 3	
81	β 486	L 158	8 17	− 8 27	5.2	2.81	6.0...12.0	1878.54	β 4	
82	Σ 11	....	8 21	77 21	192.1	7.95	8.2...10.7	1832.38	Σ 2	8.2 *yel'sh*
83	Σ 10	O. Arg. N. 127	8 23	62 10	176.5	17.68	7.5... 8.2	1832.06	Σ 3	*White*
84	Hd 7	W^1 0^h. 113	8 34	−13 25	8.3	7.12	8 ...12	1867.87	Hd 1	
85	Kr 3	A. G. Hels. 143	8 41	55 2	44.1	3.43	9 ... 9	1890.76	β 1	
86	β 1027	W^2 0^h. 200	8 44	20 53	186.8	1.54	7.2...10.3	1888.82	β 3	
87	Σ 12	35 *Piscium*	8 47	8 9	149.9	11.53	6.2... 7.8	1832.67	Σ 7	*White*
88	H 1008	DM (58°) 18	8 51	59 8	125.5	15±	8 ...11	1828+	H 1	
89	Hd 8	DM (7°) 20	9 12	7 26	320.1	29.00	9.5...11.5	1868.86	Hd 1	
90	Doo 1	....	9 23	49 55	240.4	1.20	11.0...12.0	1900.72	Doo 1	Doolittle (*Pub. Flower Obsy.* I)
91	Hu 403	SD (16°) 38	9 23	−16 17	58.0	0.52	9.0...11.2	1901.90	Hu 3	(*Bul. L. O.* No. 21)
92	Σ 13	*Cephei* 318	9 25	76 17	119.8	0.43	6.6... 7.1	1836.69	Σ 3	
93	H 1009	....	9 37	47 56	206.0	13±	10 ...10	1828+	H 1	
94	H 1946	DM (4°) 25	9 42	4 57	55.4	4±	11 = 11	1830+	H 1	
95	Σ 14	W^1 0^h. 134	9 42	−12 39	235.6	15.19	8.3...11.0	1830.89	Σ 3	
96	Σ 15	W^1 0^h. 135	9 43	− 6 16	197.9	4.70	7.5...10.0	1831.19	Σ 3	7.5 *very yel.*
97	H 1010	....	9 55	59 27	117.0	15±	9–10...10	1828+	H 1	
98	H 1011	....	9 59	56 43	101.1	7±	10 ...14	1828+	H 1	
99	H 1947	Rad^1. 44	10 3	42 58	81.3	10±	7–8...11	1830+	H 1	
100	Hu 404	SD (15°) 36	10 5	−15 15	240.1	4.27	9.0...12.8	1901.90	Hu 3	(*Bul. L. O.* No. 21)
101	β 487	W^2 0^h. 241	10 18	28 38	265.4	2.04	...12.5	1878.25	β 2	B and C 8.0 *yel'sh*
					29.3	26.33	8.0... 9.2	1830.05	Σ 2	A and B AB=Σ 17
102	Σ 16	DM (53°) 31	10 19	54 0	38.2	5.50	7.7... 9.0	1832.65	Σ 5	*Very white*
103	Hu 405	DM (23°) 28	10 23	23 54	272.7	1.13	9.3... 9.5	1901.85	Hu 3	(*Bul. L.* O. No. 21)
104	OΣ 4	L 220	10 28	35 49	187.6	0.55	7.4... 8.1	1854.01	OΣ 4	
105	Σ 19	L 221	0 10 28	35 58	133.1	2.33	7.0... 9.5	1836.97	Σ 4	7.0 *white*

Number	Double Star	Star-Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
106	**β 392**	**B. A. C.** 46	0^h 10^m 31^s	60° 52′	68°6	19″38	6.0…12.0	1879.70	β 2	
107	**Hd 9**	**DM** (3°) 28	10 36	3 37	45±	32±	9.2…	1868.87	Hd	
108	**H 2**	**DM** (11°) 29	10 42	11 52	155±	15±	9 …10	1820+	H 1	
109	**Ku 4**	**DM** (20°) 18	10 48	21 7	135.1	2.45	9.5…10.1	1901.43	Ku 2	
110	**Σ 18**	**DM** (66°) 14	10 50	66 58	90.3	1.54	8.2… 8.8	1836.70	Σ 3	*Yel. wh.*
111	**Hu 3**	**SD** (11°) 36	10 52	−11 0	105.9	1.55	9.1… 9.2	1899.73	Hu 3	(*A. J.* 480)
112	**β 776**	**DM** (49°) 40	10 53	49 55	202.5	0.90	8.8… 9.0	1881.59	β 3	
113	**Hd 10**	….	11 :	3 4:	234.6	24.97	9 …10.5	1868.87	Hd 1	
114	**Weisse 1**	**W^2 0^h.** 264	11 10	35 10	106.4	5.35	8.0… 8.2	1879.61	Cin 1	
115	**Σ 20**	**L** 249	11 10	15 51	230.1	12.23	8.0… 9.0	1828.73	Σ 2	
116	**Σ 22**	38 *Piscium*	11 13	8 12	237.6	4.59	7.0… 8.0	1836.24	Σ 4	*Yel'sh: wh.*
117	**Σ 21** *rej.*	**DM** (1°) 34	11 14	1 39	….	Cl. III	9 … 9	….	Σ	
118	**Σ 23**	**W^1 0^h.** 164	11 20	− 0 21	359.7	12.70	7.6… 9.9	1836.74	Σ 3	7.6 *yel'sh*
119	**Hd 11**	**DM** (2°) 28	11 39	3 5	294±	40±	9.5…	1868.87	Hd	
120	**H 3**	….	11 42	12 23	80±	10±	9=9	1820+	H 1	"A third star near"
121	**A. G. 1**	**DM** (8°) 28	11 50	8 50	211.7	12.94	8.5… 9.0	1895.04	Lp	
122	**H 619**	….	11 56	32 0	165±	10±	10 …11	1820+	H 1	
123	**Hd 12**	….	12 :	3 5:	*p*	5±	12 …14.5	1868.87	Hd	
124	**Hd 13**	….	12 :	3 5:	….	7±	12 …15	1868.87	Hd	"*sf* DM (2°) 32"
125	**Espin 41**	**DM** (48°) 67	12 1	48 51	217.3	5.2	7.5… 9.1	1901	Es 1	(*A. N.* 3784) (See p. 1055)
126	**β 393**	**L** 291	12 12	−21 48	11.4	0.77	6.0… 8.0	1879.75	Cin 1	
127	**H 1948**	**SD** (14°) 43	12 14	−14 49	172.8	13±	10-11=10-11	1830+	H 1	
128	**Σ 24**	*Andromedae* 69	12 16	25 28	248.3	5.20	7.2… 8.0	1831.11	Σ 4	*Yel.*
129	**H 1012**	….	12 16	58 44	204.0	10±	10 …10+	1828+	H 1	
130	**H 1013**	….	12 22	58 43	330.0	8±	10-11…11	1828+	H 1	
131	**OΣ 5**	26 *Andromedae*	12 22	43 7	241.1	6.13	6.5…10.2	1847.21	OΣ 4	6.0 *wh.*
132	**H 1014**	….	12 24	41 49	51.4	10±	10-11…11	1828+	H 1	
133	**H 1949**	**O. Arg. S.** 108	12 28	−28 37	324.6	90±	7 … 7+	1830+	H 1	
134	**H 1015**	**W^2 0^h.** 300	12 29	25 5	344.0	4±	9-10…10-11	1820+	H 1	"Fine"
135	**Σ 25**	**DM** (15°) 43	12 30	15 20	192.7	1.67	8.5… 8.5	1831.82	Σ 3	
136	**H 1951**	**W^1 0^h.** 189	12 41	−11 37	215.4	16±	8-9…15	1830+	H 1	
137	**Kr 4**	**A. G. Hels.** 201	12 45	59 2	192.4	1.85	8.5… 9.0	1890.76	β 1	
138	**H 1950**	….	12 49	74 38	71.3	12±	10-11…12	1830+	H 1	
139	**H 620**	**DM** (30°) 37	13 10	30 28	180±	8±	9 …12	1820+	H 1	
140	**H 1952**	….	13 16	69 13	101.3	14±	9 …13	1830+	H 1	
141	**H 1953**	*ι Ceti*	13 19	− 9 30	14.2	45±	4 …12	1830+	H 1	
142	**H 1954**	….	13 25	−21 36	146.6	12±	10 …13	1830+	H 1	
143	**H 1016**	….	13 39	54 44	182.2	6±	10 …11	1828+	H 1	
144	**S 384**	**L** 335	13 44	37 34	13.2	45.74	7 …12-15	1824.90	S 3	
145	**H 1017**	….	13 47	41 52	275.2	6±	11 …12	1828+	H 1	
146	**β 256**	**SD** (14°) 48	13 53	−14 30	249.1	2.31	10.0…10.5	1876.40	Δ 3	
147	**H 1955**	**W^1 0^h.** 210	13 55	5 38	0±	60±	8 …	1830+	H 1	A and BC
					280.5	2±	13 …13-14	1830+	H 1	B and C
148	**H 1018**	**DM** (66°) 19	14 16	67 0	83.9	1½±	10 …11	1828+	H 1	
149	**H 1019**	**DM** (59°) 37	14 17	59 23	93.2	3±	10 …11	1828+	H 1	
150	**β 1015**	**L** 368	14 27	11 39	120.6	0.52	8.4… 8.6	1891.64	β 2	
151	**A. Clark 1**	**L** 372	14 35	32 19	277.7	0.4±	7.5… 8.0	1857.70	Da 1	
152	**OΣ 6**	**Rad^1.** 71	14 44	66 20	144.0	0.77	7.2… 8.2	1849.64	OΣ 4	A and B
					114.8	13.49	… 9.5	1849.64	OΣ 4	AB and C
153	**β 1093**	**L** 375	14 44	10 19	54.3	0.39	7.3… 8.2	1889.65	β 3	
154	**H 3359**	….	14 44	−23 16	110±	18±	10 …10	1835.86	H 1	
155	**H 1956**	….	14 46	5 46	25.4	15±	10 …10	1830+	H 1	
156	**β 777**	**DM** (−1°) 32	14 56	− 0 55	166.7	4.09	8.5… 9.5	1881.73	β 3	
157	**OΣ 7**	**Rad^1.** 74	15 4	65 48	107.2	0.46	7.2… 8.0	1847.32	OΣ 2	A and B
					256.3	52.44	… 9.8	1847.32	OΣ 2	AB and C
158	**Hd 14**	**DM** (7°) 37	0 15 12	7 22	*sf*	30±	9.5…	1868.87	Hd	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
159	Hu 505	DM (48°) 90	$0^h\ 15^m\ 14^s$	48° 16′	136°2	1″78	8.5...12.8	1902.71	Hu 2	(*Bul. L. O.* No. 27)
160	H 1020	W^2 0^h. 366	15 16	26 18	182.6	4±	8–9...12–13	1828+	H 1	
161	H 1021	....	15 34	41 33	246.7	4±	10 ...11	1828+	H 1	"Neat"
162	See 4	Cord. DM (28°) 98	15 36	−28 54	249.6	3.18	8.5...12.2	1896.76	See 2	
163	H 1957	Lac. 55	15 48	−23 40	17.9	12±	7–8...10	1830+	H 1	
164	H 3429	....	15 51	−24 40	15±	5±	7 ... 9½	1836.69	H 1	
165	Σ 27	42 *Piscium*	16 13	12 49	344.0	31.67	6.8...10.7	1829.50	Σ 3	6.8 *very yel.*
166	Espin 115	DM (61°) 50	16 18	61 34	82.4	9.9	8.0...10	1902.	Es 1	(*Mon. Not.*, LXIII, 172)
167	Espin 42	DM (53°) 54	16 18	53 56	191.3	10.36	8.3...9.3	1901.09	Es 3	
168	H 1958	....	16 18	−15 12	59±	5±	11 ...12	1830+	H 1	
169	H 1959	DM (20°) 34	16 23	21 0	287.5	20±	9 ...10	1830+	H 1	8.5 m. in DM
170	Hu 406	SD (17°) 43	16 26	−17 47	277.1	1.01	9.4... 9.5	1901.90	Hu 3	(*Bul. L. O.* No. 21)
171	H 3362	....	16 45	−19 41	73.3	4±	7 ...11	1836.78	H 1	"Fine double star"
172	H 1960	DM (46°) 67	16 48	46 36	204.1	20±	9 ...13	1830+	H 1	8.3 m. in DM
173	H 1022	DM (50°) 60	16 49	51 5	15.5	3½±	10 ...11–12	1828+	H 1	
174	Hd 15	DM (7°) 43	16 54	7 36	269.0	28.46	9.5...11	1868.86	Hd 1	
175	H 3431	SD (5°) 53	17 4	− 5 14	91.8	12±	9½...12	1836.76	H 1	
176	H 1961	SD (2°) 46	17 16	− 2 1	97.3	6±	10 = 10	1830+	H 1	
177	H 1023	....	17 23	60 32	332.1	7±	11 ...11	1828+	H 1	
178	Σ 28	DM (28°) 56	17 36	28 50	223.1	32.89	7.9... 8.1	1832.43	Σ 4	*White*
179	Hd 16	DM (2°) 44	17 47	3 6	289.4	60.72	8.5...10.5	1868.87	Hd 1	
180	Hu 506	DM (51°) 62	17 48	51 21	217.1	0.19	6.0... 8.5	1902.71	Hu 3	(*Bul. L. O.* No. 27)
181	β 488	L 465	17 52	− 4 8	347.9	3.32	7.5...10.5	1878.40	β 4	
182	Ho 491	DM (35°) 64	17 58	35 49	24.4	0.96	9.5... 9.5	1896.92	Ho 1	(See p. 1055) (*A. N.* 3557)
183	Hu 4	SD (13°) 64	18 6	−13 45	54.9	0.64	9.0... 9.0	1899.87	Hu 2	(*A. J.* 480)
184	H 1024	....	18 7	61 44	211.8	3±	10 ...11	1828+	H 1	
185	H 1962	Redhill 40	18 25	81 34	309.4	12±	9 ...11	1830+	H 1	In Redhill 10 m.
186	Hd 17	W^1 0^h. 290	18 32	− 0 27	*sp*	10±	8 ...12	1868.	Hd	
187	H 1025	SD (8°) 57	18 33	− 8 35	143.2	18±	9–10...10	1828+	H 1	8.9 m. in SD
188	H 1965	....	18 43	77 10	284.1	1½±	11 ...14	1830	H 1	
189	H 621	....	18 50	17 44	235±	4±	11 ...12	1820+	H 1	
190	Hn 2	O. Arg. N. 323	18 51	50 54	332.1	2.44	8.8... 8.8	1881.58	β 3	
191	Σ 29	W^2 0^h. 445	18 59	31 50	167.8	5.00	9.0... 9.2	1830.89	Σ 3	
192	H 1963	DM (43°) 74	18 59	43 40	57.5	18±	9–10...13	1830+	H 1	"Unless P=51°5"
193	OΣ 8 *rej.*	44 *Piscium*	19 15	1 16	....	1±	6 ... 9	....	OΣ	
194	Ho 210	W^2 0^h. 450	19 17	35 49	70.1	0.86	8.0... 9.7	1887.33	Ho 2	
195	H 1026	....	19 30	66 7	193.0	8±	11 ...12	1828+	H 1	
196	H 1964	O. Arg. S. 177	19 32	−19 29	125.8	7±	9–10...11	1830+	H 1	
197	OΣ 9	L 522	19 40	56 7	61.4	1.52	7.0...10.2	1847.33	OΣ 3	
198	β 489	DM (43°) 80	19 40	43 31	182.5	3.32	8.0...12.0	1878.43	Δ 3	
199	H 622	DM (33°) 41	19 42	34 8	310±	18±	9 = 9	1820+	H 1	"Points to a third 15 m. nearly"
200	β 778	DM (51°) 72	19 43	51 10	47.9	1.05	9.5... 9.5	1881.61	β 3	
201	Hu 407	DM (23°) 54	19 50	23 19	334.6	0.92	8.2...12.2	1901.95	Hu 3	(*Bul. L. O.* No. 21)
202	β 1156	DM (63°) 48	19 58	63 46	31.9	0.52	9.2... 9.3	1890.74	β 3	
203	Hd 18	....	20 :	3 11:	*s*	50±	....	1869.93	Hd	
204	Hd 19	DM (6°) 47	20 35	7 3	*np*	20±	9.5...	1868.86	Hd	Another faint star *sp*
205	Σ 30	*Cassiopeiae* 49	20 43	49 19	295.9	21.23	6.8... 8.7	1831.21	Σ 3	*Wh.*: *ash*
206	*Schj.* 1	....	20 45	− 6 11	20±	27±	8.7... 9.5	....	....	
207	Hu 408	SD (16°) 71	20 50	−15 56	281.7	2.02	9.0...10.8	1901.90	Hu 3	(*Bul. L. O.* No. 21)
208	β 1225	W^2 0^h. 496	20 55	20 26	189.3	1.15	8.1...11.8	1891.85	β 3	
209	Hd 20	....	21 :	6 30:	*sf*	8±	12 ...	1868.86	Hd	
210	Hd 21	....	21 :	6 28:	*np*	....	....	1868.86	Hd	
211	A 431	SD (8°) 65	21 2	− 8 34	353.1	0.19	8.5... 8.5	1903.75	A 3	
212	OΣ 10 *rej.*	L 581	21 16	15 22	237.0	96.34	5.8... 9.2	1866.68	Δ 3	5.8 *yel.*
213	Hu 507	DM (49°) 95	0 21 16	49 22	130.3	1.55	9.3... 9.5	1902.75	Hu 2	A and B
					243.6	1.47	... 9.8	1902.75	Hu 2	B and C
					183.7	1.61	....	1902.75	Hu 2	A and C

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
214	**H 1966**	**SD** (10°) 78	0^h 21^{m}24^s	−10° 2′	300°9	15″±	9 ...13	1830+	H 1	
215	**Σ 31**	**DM** (40°) 93	21 30	40 45	58.1	5.80	9.2... 9.8	1830.22	Σ 3	
216	**H 1968**	**L** 593	21 33	−17 4	61.3	20±	8 ...10–11	1830+	H 1	
217	**β 779**	**L** 592	21 37	22 55	263.3	0.85	8.5... 9.0	1881.67	β 3	
218	**H 1969**	....	21 44	−22 59	45.4	10±	12=12	1830+	H 1	
219	**H 1967**	....	21 46	73 6	250±	4±	11 ...12	1830+	H 1	
220	**O. Stone 2**	**SD** (17°) 62	21 44	−17 37	271.1	5.37	8.5... 9.5	1877.86	Cin 2	
221	**H 1970**	**DM** (−0°) 64	21 55	− 0 42	336.0	12±	10 ...16	1830+	H 1	
222	**H 1972**	....	21 59	− 0 41	164.3	15±	9–10...15	1830+	H 1	
223	**H 1971**	....	22 16	73 19	180±	4±	11 ...11+	1830+	H 1	
224	**H 3368**	....	22 18	−17 51	251.4	15±	8 ...11	1836.78	H 1	
225	**Hu 601**	**DM** (20°) 47	22 29	20 54	301.8	0.24	9.2...10.0	1901.93	Hu 2	
226	**β 1157**	**DM** (63°) 52	22 30	63 35	90.2	1.66	8.4...11.3	1890.74	β 3	
227	**Hu 409**	**SD** (15°) 74	22 40	−15 4	302.4	0.65	8.9... 9.5	1901.90	Hu 3	(*Bul. L. O.* No. 21)
228	**H 623**	....	22 40	2 11	335±	12±	....	1820+	H 1	"Close to a neb. of 3d class"
229	**H 624**	....	22 53	33 14	345±	8±	10 ...11	1820+	H 1	H (V) 349°8: 12″±: 8....11. (See p. 1055)
230	**A. G. 2**	**DM** (36°) 68	22 58	36 46	....	obl.	9.0...			
231	**H 1974**	....	23 1	−18 57	166.8	15±	10 ...11	1830+	H 1	
232	**H 1975**	....	23 6	5 50	292.9	4±	12=12	1830+	H 1	
233	**H 1973**	**O. Arg. N.** 405	23 17	71 52	44.9	16±	8 ...12	1830+	H 1	9 m. in O. Arg. N.
234	**Hu 508**	**DM** (48°) 146	23 19	48 35	349.8	1.92	9.0...11.8	1902.73	Hu 3	(*Bul. L. O.* No. 27)
235	**H 1976**	....	23 27	19 38	263.5	12±	10 ...11–12	1830+	H 1	
236	**β 1094**	**L** 655	23 29	59 19	244.6	0.70	5.7... 9.5	1889.53	β 3	
237	**A 432**	**SD** (7°) 64	23 31	− 7 30	284.3	0.80	8.8...12.0	1903.75	A 3	
238	**H 1977**	....	23 36	−23 50	294.1	10±	10–11...11	1830+	H 1	
239	**β 1095**	28 *Andromedae*	23 47	29 5	0.1	2.42	5.5...13.3	1889.51	β 3	
240	**Kr 7**	**A. G. Hels.** 382	23 48	59 2	10.4	3.50	9.5... 9.7	1890.76	β 1	
241	**H 1978**	....	23 49	43 29	217.7	2½±	11–12...12	1830+	H 1	
242	**H 322**	12 *Ceti*	23 55	− 4 37	170±	8±	7 ...14	1820+	H 1	"*Yellow: blue*"
243	**β 394**	**L** 678	24 16	46 52	278.0	0.83	8.2... 8.4	1876.77	Δ 3	
244	**H 1027**	....	24 16	21 29	169.0	7±	9–10...10	1828+	H 1	
245	**OΣ 11** *rej.*	**L** 686	24 16	31 29	....	....	7–8... 7–8	....	OΣ	
246	**Espin 2**	**DM** (55°) 93	24 30	56 8	112.6	6.30	8.5... 9.0	1892.85	Es 2	(*A. N.* 3717)
247	**β 107**	**DM** (62°) 93	24 31	62 41	358.8	4.44	8.0... 9.6	1891.52	β 2	
248	**Σ 32**	49 *Piscium*	24 33	15 22	107.9	13.67	6.8...10.6	1831.43	Σ 5	6.8 *white*
249	**Σ 33**	**W**^{2} **0**^{h}. 592	24 36	33 26	205.5	2.54	8.2... 8.3	1831.86	Σ 3	*White*
250	**Espin 116**	**DM** (54°) 87	24 36	54 59	255.9	7.7	8.9... 8.9	1902.	Es 1	(*Mon. Not.* LXIII, 172)
251	**H 1979**	....	24 41	−16 24	72.2	8±	10 ...11	1830+	H 1	
252	**H 1028**	....	24 41	64 19	148.9	12±	11=11	1828+	H 1	
253	**H 1029**	....	24 52	44 16	269.0	10±	9 ...11	1828+	H 1	
254	**β 1158**	**L** 718	24 55	−10 45	138.1	0.26	8.6... 8.6	1890.91	β 3	B and C
					86.6	79.31	6.9...	1890.91	β 3	A and BC
255	**β 1226**	**DM** (57°) 97	24 58	57 29	190.8	0.40	8.5...10.5	1891.58	β 3	
256	**Σ 34**	**O. Arg. N.** 435	24 59	77 27	334.0	5.83	8.7... 8.8	1832.25	Σ 3	
257	**Hu 509**	**DM** (48°) 153	25 0	48 24	56.0	2.73	9.0...10.0	1902.73	Hu 3	(*Bul. L. O.* No. 27)
258	**H 5451**	**B. A. C.** 120	25 3	32 55	85±	60±	7 ... 9	1823+	H 1	*Yellow: blue*
259	**H 5452**	....	25 4	32 57	....	10±	....	1823+	H 1	Near the last
260	**OΣ 12**	λ *Cassiopeiae*	25 9	53 52	122.9	0.52	5.6... 5.9	1845.81	OΣ 4	
261	**H 1980**	**SD** (12°) 84	25 25	−11 57	120.5	4±	9 ...11	1830+	H 1	
262	**OΣ 13**	**L** 736	25 26	36 18	133.2	6.20	7.8...10.9	1850.06	OΣ 4	A and B
					163.0	29.06	...12.5	1878.87	β 2	A and C *A yel.*
					180.9	41.22	...10.5	1866.20	Δ 2	A and D
263	**H 1030**	....	25 26	33 3	176.4	25±	4–5... 9	1828+	H 1	A and B
					359.4	30±	...14	1828+	H 1	A and C
264	**Σ 35**	**SD** (2°) 68	25 29	− 2 42	268.2	8.69	9.4... 9.6	1830.16	Σ 4	
265	**S 386**	**DM** (27°) 80	0 25 38	27 52	195.4	42.28	10 ...10	1825.00	S 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
266	Ho 2	DM (34°) 72	0^h 25^m 41^s	34°58′	100°5	2″20	9.5...12.5	1881.80	Ho 2	
267	β 1227	DM (57°) 98	25 41	57 41	206.1	2.82	7.3...11.6	1891.59	β 3	
268	H 3373	....	25 52	−19 37	119.4	80±	7.5... 8	1836.78	H 1	
269	Espin	....	26 :	56 14	113.3	6.36	8.2... 8.5	1892.8	Es 3	
270	A 111	L 755	26 0	− 5 49	212.6	2.13	8.5...13.0	1900.71	A 3	
271	β 780	DM (36°) 79	26 0	37 5	144.2	2.32	8.5... 9.8	1881.73	β 3	
272	H 1031	....	26 3	40 55	112.5	3±	11 ...12	1828+	H 1	
273	Σ 37	W^2 0^h. 411	26 7	15 0	244.6	5.62	9.3... 9.5	1830.24	Σ 5	
274	Σ 36	51 *Piscium*	26 12	6 18	82.3	27.42	5.0... 9.0	1833.20	Σ 3	*Wh.: ash*
275	H 1982	52 *Piscium*	26 18	19 38	309.6	25±	6.7...14	1830+	H 1	
276	β 1310	DM (22°) 79	26 21	22 32	209.3	3.36	7.3...13.1	1903.09	β 3	A and B
					301.0	15.25	...12.8	1903.09	β 3	A and C
					145.4	96.53	... 9.4	1902.84	β 2	A and D
277	Hu 510	DM (51°) 94	26 25	51 11	132.8	1.64	8.0...10.0	1902.55	Hu 3	(*Bul. L. O.* No. 27)
278	Ho 211	W^2 0^h. 641	26 28	35 12	15.6	1.35	7.7...12.0	1888.92	Ho 2	(*A. N.* 2977)
279	OΣ 14	P 0^h. 103	26 29	27 37	160.3	8.48	6.7...10.7	1847.45	OΣ 3	6.5 *yel.* (See p. 1056)
280	A. G. 3	DM (29°) 98	26 35	29 27	34.8	4.38	9.4...10	1903.80	M 3	
281	H 1033	....	26 38	62 37	220.7	5±	11 ...11	1828+	H 1	
282	H 3442	Lac. 12	26 40	−26 2	208.3	30±	6½...10	1836.69	H 1	
283	Ho 3	W^2 0^h. 656	27 3	39 27	121.2	0.50	7.7...10	1885.81	Ho 2	
284	Hu 511	DM (49°) 126	27 4	49 27	176.6	4.56	8.4... 9.0	1902.55	Hu 3	(*Bul. L. O.* No. 27)
285	H 1984	....	27 18	−26 9	33.8	15±	9 ...11	1830+	H 1	
286	H 1032	....	27 24	28 52	249.2	13±	9 ...11	1828+	H 1	
287	H 1983	O. Arg. N. 487	27 33	71 52	306.7	35±	8–9...11	1830+	H 1	9 m in O. Arg.
288	H 1985	....	27 34	48 11	144.5	10±	10=10	1830+	H 1	
289	H 1034	....	27 34	25 35	270.0	1½±	10 ...11	1828+	H 1	
290	Espin 117	DM (54°) 106	27 36	55 3	54.4	3.0	9.0...11	1902.	Es 1	(*Mon. Not.* LVIII, 172)
291	H 3377	Lac. 122	27 38	−26 45	53.5	15±	8 ...10	1835+	H 1	
292	β 108	O. Arg. N. 492	27 43	62 15	358.1	4.20	7.6...10.7	1875.83	Δ 6	
293	Hd 22	DM (2°) 67	27 44	2 39	....	....	7.8...	1868.87	Hd	
294	A 433	SD (9°) 109	27 45	− 9 33	28.6	3.72	8.9...12.2	1903.75	A 2	
295	H 1035	....	27 57	59 56	129.5	3±	11 ...12	1828+	H 1	"Very neat"
296	H 1036	....	28 8	42 13	267.5	3±	11=11	1828+	H 1	
297	Espin 3	DM (55°) 109	28 17	55 56	158.3	8.70	8.2... 9.1	1892.87	Es 3	(*A. N.* 3717)
298	Δ 2	W^1 0^h. 459	28 22	− 5 12	238.8	0.80	7.1... 7.9	1870.48	Δ 8	A and B (AC= Σ 39)
					45.4	20.09	6.8... 8.5	1830.24	Σ 2	AB and C
299	Hd 23	DM (3°) 66	28 28	3 13	138.2	22.29	9.5...12	1868.87	Hd 1	
300	Hd 24	....	28 30:	3 11:	....	....	....	1869.92	Hd	No description
301	A. G. 4	DM (25°) 78	28 35	25 47	....	....	8.1...	....	....	
302	S 387	DM (18°) 76	28 37	18 14	232.0	42.51	11 ...11½	1824.83	S 2	
303	Σ 41	DM (38°) 72	28 38	38 30	188.6	15.82	8.3...11.5	1833.11	Σ 3	8.3 *yel.*
304	Σ 38	DM (57°) 106	28 41	58 1	143.8	16.63	8.3... 8.7	1831.80	Σ 3	*Very wh.*
305	Σ 40	*Andromedae* 112	28 44	36 10	312.2	11.56	6.8... 8.8	1831.46	Σ 3	*Yel.: ash*
306	H 1987	....	28 46	42 24	354.4	18±	9–10...13	1830+	H 1	
307	H 1988	....	28 51	−23 45	204.4	15±	10 ...11	1830+	H 1	"A third star 14 m β"
308	β 1291	DM (37°) 94	28 56	37 2	169.1	2.78	8.4...12.8	1900.75	β 3	
309	Hn 61	W^1 0^h. 468	28 57	14 13	225.1	1.61	9.5...11.2	1888.77	Com 3	
310	A. G. 5	DM (35°) 97	28 58	35 56	....	....	9.1...	....	....	
311	Hd 25	....	29 :	2 40:	....	12±	8.8... 9.5	1868.87	Hd 1	
312	Hd 27	....	29 :	3 26:	....	....	....	1868.87	Hd	"nf DM (3°) 69"
313	Hd 26	DM (2°) 71	29 2	2 26	*f*	11±	9.5...10.5	1868.87	Hd 1	
314	Ho 212	13 *Ceti*	29 4	− 4 15	65.3	37.12	6 ...12.5	1877.78	β 1	AB and C
					93.4	0.3±	....	1887.81	Ho 1	A and B
315	H 1037	....	29 7	65 11	198.7	13±	10–11..11–12	1828+	H 1	
316	H 1986	Rad^1. 142, 146	29 12	84 5	52.4	30±	8 ... 9	1830+	H 1	
317	OΣ 15	L 864	0 29 14	48 22	....	obl?	7.8...	....	OΣ	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
318	**H 625**	**DM** (31°) 77	0h 29m 15s	31°36′	273.°	7″±	9 ...17	1820+	H 1	
319	**A. G. 6**	**A. G. Leip.** 145	29 16	11 11	10.2	58.43	8.2...10	1892.84	Lp 1	
320	**H 1038**	....	29 19	63 4	97.0	1½±	11 ...11+	1828+	H 1	
321	**Hd 28**	**DM** (2°) 73	29 27	2 40	*np*	12±	8.9... 9.5	1868.87	Hd	
322	**Σ 42**	**DM** (29°) 105	29 38	29 21	35.3	5.32	7.9... 8.7	1832.00	Σ 4	*White*
323	**H 1039**	**W**1 **0h**. 480	29 45	− 6 48	291.8	15±	9 ...12	1828+	H 1	
324	**β 1096**	**O. Arg. N.** 534	29 46	57 51	267.7	0.22	9.5... 9.5	1889.61	β 3	A and B
					61.8	33.38	... 8.9	1889.60	β 3	AB and C
325	**Σ 43**	**O. Arg. N.** 539	29 59	59 51	165.8	4.58	8.5... 9.0	1832.47	Σ 3	*White*
326	**Espin —**	....	30 :	56 3	158.5	8.66	8 ... 9	1892.8	Es 2	
327	**Hu 410**	**DM** (21°) 71	30 15	21 22	321.0	3.31	9.0...11.0	1901.94	Hu 3	(*Bul. L. O*, No. 21)
328	**H 1989**	**DM** (72°) 35	30 23	72 14	49.3	20±	8 ...12–13	1830+	H 1	A and B 6.7 m. in DM
					348.5	8±	...14	1830+	H 1	B and C
329	**Ħ V. 17**	π *Andromedae*	30 28	33 4	175.4	35.95	4½... 9	1821.88	Sh 2	
330	**β 1097**	**Rad**1. 159	30 30	57 21	71.6	0.76	8.4... 8.4	1889.60	β 4	
331	**H 3379**	**L** 937	30 47	−28 5	229.1	8±	9 ...12	1835.87	H 1	
332	**β 230**	**W**2 **0h**. 764	30 59	26 39	324.1	3.91	8.4... 9.0	1891.70	β 3	
333	**Hd 29**	....	31 :	1 26:	325±	25±	7.8... 9.2	1881.04	Hd	
334	**Hu 512**	**DM** (48°) 185	31 11	48 35	170.9	0.92	9.2... 9.5	1902.58	Hu 3	(*Bul. L. O.* No. 27)
335	**β 395**	**B. A. C.** 160	31 12	−25 26	104.7	0.65	6.1... 6.3	1886.85	LM 2	
336	**Hu 411**	**DM** (21°) 75	31 18	22 1	98.8	0.67	8.5... 8.5	1901.94	Hu 3	(*Bul. L. O.* No. 21)
337	**H 1040**	....	31 37	65 7	356.4	2±	11–12..11–12	1828+	H 1	"Delicate"
338	**Hd 30**	**DM** (2°) 81	31 41	2 21	41.0	6.26	9.5...10.5	1869.91	Hd 1	
339	**Ho 305**	**W**2 **0h**. 783	31 41	24 31	192.2	5.40	8 ...11	1889.96	Ho 2	
340	**Σ 44**	**W**2 **0h**. 788	31 56	40 20	258.8	7.86	8.3... 9.0	1829.82	Σ 3	*Yel'sh*
341	**Hd 31**	**DM** (−0°) 75	31 56	− 1 10	306.8	30.48	7.6...11.5	1901.79	β 2	
342	**Lamont 1**	....	32 :	61 14:	357.0	69.87	....	1836.0	Lam 1	A and B
					42.2	8.09	....	1836.0	Lam 1	B and C
					23.4	....	....	1836.0	Lam 1	A and C
343	**H 1990**	....	32 1	−22 10	344.0	15±	10 ...11	1830+	H	
344	**Hd 32**	**DM** (2°) 83	32 3	2 25	*nf*	4±	9 ... 9½	1868.87	Hd	
345	**OΣ (App) 5**	**Rad**1. 167	32 4	76 13	144.2	115.50	6.2... 8.0	1875.23	Δ 3	
346	**Σ 45**	*Cassiopeiae* 63	32 7	46 18	82.9	8.79	7.0...10.0	1829.45	Σ 2	
347	**β 1159**	**DM** (39°) 148	32 28	40 1	41.7	0.23	9.7... 9.9	1890.68	β 3	
348	**Hu 513**	**DM** (50°) 118	32 29	50 48	201.9	1.31	9.0... 9.8	1902.55	Hu 3	(*Bul. L. O.* No. 27)
349	**OΣ 16**	**B. A. C.** 165	32 32	48 42	25.6	14.76	6.3...10.8	1845.92	OΣ 2	6.0 *yel.*
350	**H 1042**	....	32 39	59 22	57.5	9±	10 ...11	1828+	H 1	
351	**H 1043**	....	32 44	60 24	172.0	7±	11 ...11	1828+	H 1	"In a cluster of 8th class"
352	**β 1311**	**DM** (60°) 78	32 45	61 2	340.1	8.59	8.5...13.3	1903.81	β 4	
353	**H 1991**	**L** 1004	32 51	−25 46	93.3	40±	8 ...10	1830+	H 1	"*Fine orange: contrasted blue*"
354	**β 491**	δ *Andromedae*	32 54	30 12	299.3	27.86	3 ...12.5	1878.40	β 3	
355	**H 1992**	**O. Arg. S.** 326	32 57	−26 15	246.8	40±	7–8... 9	1830+	H 1	B is O. Arg. N. 325
356	**Hu 5**	**SD** (13°) 109	33 3	−13 12	133.0	4.12	9.0... 9.0	1899.58	Hu 1	(*A. J.* 480)
357	**OΣ 17**	**L** 1003	33 8	36 8	161.3	8.35	7.5...10.7	1846.97	OΣ 3	7.5 *white*
358	**H 3380**	....	33 35	−17 23	96.2	30±	7½...13	1836.78	H 1	
359	**β 257**	**L** 1019	33 37	46 36	236.6	0.48	7.9... 9.0	1876.04	Δ 4	
360	**Σ 46**	55 *Piscium*	33 37	20 47	192.7	6.37	5.0... 8.2	1830.27	Σ 3	*Very yel.: very blue*
361-	**H 1993**	α *Cassiopeiae*	33 42	55 53	272.4	17.56	3 ...14.5	1889.60	β 3	A and B
					108.7	40.07	...13.5	1878.11	β 2	A and C
					278.8	90±	...(14)	1830+	H 1	A and D
362	**H 1044**	**DM** (42°) 139	33 44	43 3	324.5	20±	9 ... 9–10	1828+	H 1	
363	**Σ 47**	*Andromedae* 125	33 59	23 24	204.7	16.51	6.7... 8.6	1832.44	Σ 4	A and B 6.7 *white*
					227.7	41.3	...10.5	....	Σ	A and C
364	**β 109**	*Ceti* 91	34 27	−17 10	355.7	91.11	7.0...	1876.94	Δ 1	A and B
					164.0	11.02	10.7...11.2	1876.66	Δ 3	B and C
365	....	**DM** (51°) 127	0 34 35	52 0	73.5	20.06	8.8... 9.0	1903.80	β 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
366	H 323	B. A. C. 174	$0^h 34^m 35^s$	− 5° 1′	285° ±	60″ ±	6½... 8.5	1820+	H	
367	A 434	A. G. Berlin B 204	34 39	24 18	29.0	0.79	9.3... 9.4	1903.76	A 3	
368	Σ 49	L 1073	34 42	− 7 53	321.5	4.49	6.5...10.0	1830.92	Σ 3	6.5 *yel. wh.*
369	H 1045	....	35 5	62 56	155.5	3±	11 ...11	1828+	H	
370	Ku 6	DM (13°) 91	35 6	13 59	228.6	1.89	9.8...10.0	1901.48	Ku 2	Kustner (3821)
371	Hu 514	DM (48°) 208	35 7	49 3	174.0	3.46	9.0...10.0	1902.58	Hu 3	(*Bul. L. O.* No. 27)
372	Σ 48	O. Arg. N. 619	35 10	70 43	332.4	5.49	7.0... 7.2	1836.69	Σ 2	*Very white*
373	Hu 515	DM (48°) 209	35 16	48 58	97.6	1.18	8.7...11.5	1902.58	Hu 3	(*Bul. L. O.* No. 27)
374	OΣ 18	L 1118	36 12	3 31	93.6	1.40	7.4... 9.5	1845.70	OΣ 2	
375	Σ 50 *rej.*	O. Arg. N. 635	36 12	76 33	75.9	15±	9 ...11	1830+	H 1	From H (V). 8...11, Σ. (See p. 1056)
376	H 5	....	36 20	10 4	290±	25±	10 ...11	1820+	H 1	
377	A 435	SD (6°) 119	36 20	− 6 22	224.9	0.51	9.3... 9.8	1903.73	A 1	
378	H 1046	....	36 25	61 8	63.8	15±	9–10...11	1828+	H 1	
379	H 1994	....	36 40	73 3	267.5	6±	10 ...12	1830+	H 1	
380	H 1047	....	36 41	63 32	69.4	5±	11 ...12	1828+	H 1	
381	H 1995	....	36 48	−10 35	145.4	30±	8 ...11	1830+	H 1	"Neat." 7.0m. in SD
382	Hu 412	SD (16°) 120	36 57	−16 42	351.8	0.40	9.0...12.0	1901.94	Hu 2	(*Bul. L. O.* No. 21)
383	Σ 51	DM (16°) 70	37 16	16 42	131.5	4.16	8.0... 9.5	1830.88	Σ 3	*Very wh.: ashy*
384	Σ 53 *rej.*	Lam. 126	37 18	− 1 32	....	Cl. IV	8–9...10	....	....	
385	OΣ 19	L 1143	37 21	36 54	117.3	9.57	7.8...10.7	1847.22	OΣ 3	7.8 *yel.*
386	Σ 54	DM (32°) 121	37 22	32 54	195.7	17.49	9.0...10.2	1830.30	Σ 2	
387	H 1996	DM (51°) 139	37 28	51 58	....	....	....	1830+	H 1	
388	Σ 52	DM (45°) 187	37 31	45 35	25.8	1.42	8.0... 9.0	1831.40	Σ 3	8.0 *yel'sh*
389	H 3389	....	37 37	−19 12	74.7	28±	9 ... 9½	1836.78	H 1	
390	H 1048	....	37 44	− 8 18	275.0	8±	11 ...12	1828+	H 1	
391	♅ N. 122	21 *Cassiopeiae*	37 44	74 20	*sf*	Cl. VI	....	1798.76	♅	
392	Σ 55	L 1164	37 55	32 58	322.9	2.10	8.0...8.8	1831.47	Σ 3	*White*
393	Σ 56 *rej.*	....	37 58:	32 54:	....	III–IV	8–9...9–10	....	Σ	
394	H 1049	....	38 1	50 6	298±	12±	10 ...11–12	1828+	H 1	
395	β 231	*o Cassiopeiae*	38 2	47 38	303.9	32.81	5.5...12.0	1876.31	Δ 1	
396	H 1050	....	38 6	44 23	187.0	8±	10 ...11–12	1828+	H 1	
397	A. G. 7	A. G. Leip. 193	38 8	11 56	316.7	21.01	9.1...11	1892.84	Lp 1	
398	H 1051	....	38 11	24 3	275.0	1½±	10 ...14	1828+	H 1	
399	Hn 3	DM (52°) 158	38 24	52 54	54.5	2.65	8.5... 8.6	1881.57	β 3	
400	H 6	....	38 26	11 59	315±	15±	9–10...11	1820+	H 1	
401	β 492	B. A. C. 201	38 27	54 34	152.6	1.90	6 ...12	1878.73	β 2	
402	β 865	DM (42°) 161	38 52	42 45	197.4	1.21	8.5...9.0	1880.78	β 4	
403	Arg. 2	O. Arg. N. 694	38 59	54 20	....	Cl. IV	8–9...	....	....	
404	H 626	DM (30°) 110	39 0	31 1	330±	20±	9 ...14	1820+	H 1	
405	β 493	DM (50°) 137	39 4	50 27	51.4	0.85	9.0...9.0	1878.67	β 2	(See p. 1056)
406	Σ 58 *rej.*	DM (9°) 84, 85	39 6	9 39	....	Cl. IV	8 ... 9	....	Σ	Place from *Pos. Med.*
407	Hd 33	DM (−0°) 112	39 6	− 0 50	....	....	9.3...	1868.88	Hd	"Very wide"
408	H 7	....	39 14	11 55	135±	10±	9 ...10	1820+	H 1	"In field with H 6"
409	H 1052	....	39 18	64 37	290.0	9±	10–11..10–11	1828+	H 1	
410	H 3394	....	39 28	−20 38	86.3	18±	10 ...10½	1836.78	H 1	
411	H 627	....	39 29	35 46	165±	8±	11 ...12	1820+	H 1	
412	Σ 57 *rej.*	....	39 38	71 58	195.1	6±	10 ...11	1830+	H 1	
413	Muller 1	O. Arg. S. 397	39 42	−17 5	193.0	2.48	7.5...10.5	1887.01	LM 1	
414	β 866	DM (42°) 166	39 43	42 45	68.2	1.26	9.2... 9.2	1880.78	β 4	
415	Σ 1, App. I	P 0^h. 175–6	39 58	30 17	55.4	46.42	6.7... 6.7	1834.83	Σ 5	*White*
416	Ho 492	DM (41°) 130	40 28	41 18	115.4	2.70	8.5...10.5	1897.81	Ho 1	(*A. N.* 3557)
417	♅ V. 82	DM (50°) 141	40 38	50 27	82.2	43.43	....	1783.05	♅ 1	(See p. 1056)
418	Hu 413	DM (22°) 121	40 40	22 36	242.7	0.83	8.0... 9.2	1901.90	Hu 3	(*Bul. L. O.* No. 21)
419	Hu 801	SD (14°) 133	40 42	−14 25	138.4	2.53	8.0...13.0	1901.97	Hu 1	
420	β 494	L 1266	40 53	− 1 54	168.5	1.38	8.1... 8.1	1878.20	β 2	
421	Bowyer 1	....	0 41 :	32 34:	12.9	0.53	....	1897.81	Bow 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
422	Σ 59	P 0^h. 181	$0^h\,41^m\,11^s$	50° 47′	145°0	2″19	7.2... 8.1	1832.33	Σ 4	*Very white*
423	H 1997	....	41 12	74 59	46.7	12±	10 ...10+	1830+	H 1	
424	OΣ (App) 8	W^1 0^h. 693	41 25	12 14	125.1	44.84	8.1... 8.4	1874.73	*Δ* 3	
425	Ho 306	DM (24°) 118	41 42	24 54	164.6	1.08	8.5... 8.8	1893.80	Ho 1	(See p. 1057) (*A. N.* 3233)
426	Σ 60	*η Cassiopeiae*	41 43	57 11	92.1	9.39	4.0... 7.6	1836.70	Σ 4	*Yel.: purple*
427	H 1998	....	41 49	− 1 41	339.4	15±	10 ...12	1830+	H	
428	Hd 34	....	42 :	2 31:	*p*	3±	11 ...11.5	1866.93	Hd	"Hazy star"
429	Innes 261	Lac. 219	42 5	−30 0	60±	0.5±	7.8... 8.1	....	I	
430	H 8	....	42 20	12 2	50±	5–6	12 ...13	1820+	H	"A third larger star *p*"
431	β 495	L 1308	42 25	18 2	230.9	0.58	7.5... 7.5	1878.70	*β* 1	
432	Hd 35	W^1 0^h. 715	42 28	− 2 25	37.4	7.04	8 ...11	1867.89	Hd 1	
433	H 1054	O. Arg. N. 779	42 31	60 6	176.0	5±	9 ...13	1828+	H 1	
434	H 1053	....	42 32	60 31	170.0	12±	10–11...11	1828+	H 1	
435	Hd 36	O. Arg. S. 439	43 10	−21 48	16.6	21	7 ...	1868.82	Hd 1	
436	β 301	L 1350	43 21	−22 3	318.8	0.90	8.3...14	1891.79	*β* 3	A and B
					300.7	11.23	... 9.4	1891.78	*β* 3	A and C
437	OΣ (App) 9	W^2 0^h. 1081	43 21	29 48	234.5	91.76	7.0... 7.7	1875.12	*Δ* 3	
438	β 1160	B. A. C. 230	43 24	−14 13	113.1	1.19	5.8...12.0	1890.69	*β* 3	
439	Σ 61	65 *Piscium*	43 26	27 3	299.0	4.45	6.0... 6.0	1832.13	Σ 4	*Yel'sh*
440	β 232	O. Arg. N. 794	43 38	49 59	288.4	0.48	8.0... 8.5	1876.23	*Δ* 6	A and B
					292.8	28.70	...10.2	1875.99	*Δ* 3	AB and C
441	A 436	A. G. Ber. B 252	43 39	24 49	27.2	0.35	9.5... 9.7	1903.73	A 1	(*Bul. L. O.* No. 50)
442	H 1999	....	43 45	69 30	15±	20±	9–10...10	1830+	H 1	
443	Σ 62	W^2 0^h. 1090	43 45	35 9	302.5	11.41	8.5... 9.2	1832.44	Σ 3	
444	Σ 63	W^1 0^h. 734	43 56	11 11	195.2	11.42	8.2...11.2	1832.41	Σ 4	*Yel.*
445	β 781	L 1337	44 2	68 20	31.2	1.04	8.1... 8.6	1881.51	*β* 3	
446	Ho 4	DM (33°) 118	44 10	33 18	202.0	1.48	9 ... 9	1882.83	Ho 2	
447	Σ 64	DM (40°) 175	44 32	40 33	271.9	3.57	9.2... 9.7	1830.77	Σ 3	
448	Σ 65	O. Arg. N. 810	45 8	68 13	35.1	2.99	8.0... 8.0	1832.44	Σ 3	*Very wh.*
449	Hu 516	DM (48°) 258	45 12	48 15	110.2	1.30	9.0...10.0	1902.56	Hu 3	(*Bul. L. O.* No. 27)
450	H 1055	....	45 14	64 8	336.8	8±	10 ...11	1828+	H 1	
451	Hu 414	DM (22°) 138	45 16	22 59	118.5	1.53	9.0...12.5	1901.90	Hu 3	(*Bul. L. O.* No. 21)
452	β 496	L 1416	45 18	12 8	2.4	5.12	7 ...13	1878.74	*β* 2	
453	H 628	W^2 0^h. 1137	45 25	33 14	65±	35±	7 ...16	1820+	H 1	
454	Σ 68	W^1 0^h. 777	45 46	− 8 49	296.0	7.48	8.0...10.0	1830.24	Σ 3	
455	β 1	O. Arg. N. 819	45 50	55 58	81.0	1.42	8.1...10.1	1875.34	*Δ* 4	A and B
					133.3	3.70	... 8.9	1875.34	*Δ* 4	A and C
					192.9	8.82	... 9.5	1875.34	*Δ* 4	A and D
					333.1	15.84	...12.5	1889.55	*β* 3	A and E
456	Σ 67	L 1432	45 52	9 57	13.0	1.58	8.3... 9.0	1830.91	Σ 3	*White*
457	Σ 66 *rej.*	W^2 0^h. 1146	45 54	35 23	....	Cl. IV	8 ...11	....	Σ	(See p. 1057)
458	β 497	B. A. C. 239	45 55	60 28	171.6	121.20	6.0... 9.0	1878.66	*β* 1	A and B
					150.9	0.9	...11–12	1877.59	*β* 1	B and C
459	Wiesse 2	W^2 0^h. 1148	45 56	25 8	....	....	8 ...	....	....	
460	A. G. 8	A. G. Chris. 160	45 59	67 56	215.2	17.84	9.1... 9.1	1891.82	*β* 2	
461	H 2000	....	46 6	−15 30	116.9	12±	10 ...11	1830+	H 1	
462	Hu 201	SD (14°) 152	46 7	−13 53	129.2	0.59	8.9... 9.5	1900.88	Hu 3	(*A. J.* 494)
463	O. Stone 3	L 1458	46 20	−23 16	271.9	2.39	7.0... 8.0	1877.84	Cin 5	
464	β 498	L 1459	46 33	9 9	156.2	2.53	8.0...12.0	1878.26	*β* 2	
465	A. G. 9	A. G. Chris. 163	46 41	68 24	71.3	6.57	9.1... 9.2	1891.82	*β* 2	
466	β 734	*Ceti* 132.	46 47	−24 40	348.9	10.74	6.0...11.0	1879.68	*β* 3	
467	Σ 70	DM (51°) 179	46 52	52 2	244.0	7.92	7.0...10.0	1832.34	Σ 4	*7.0 wh.*
468	Σ 71	....	47 7	4 21	341.2	8.76	8.5... 9.8	1830.96	Σ 3	
469	H 9	DM (11°) 112	47 9	11 19	100±	15±	9 ... 9½	1820+	H 1	"Nearly equal"
470	Hd 37	W^1 0^h. 802.	47 17	2 39	325.7	1.32	9 ...	1866.92	Hd 1	
471	O. Stone 4	Lac. 241	0 47 19	−25 26	11.8	5.33	6.7... 8.3	1877.80	Cin 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
472	Hd 38	....	0^h 47^m 30:^{s}	− 1°19:′	300°±	35″±	9.5...10	1881.04	Hd	"*sp* DM (−1°) 116"
473	Espin 118	DM (63°) 111	47 42	63 43	241.3	2.6	8.6... 8.7	1902.	Es 2	(*Mon. Not.* LXIII, 172). (See p. 1057)
474	Σ 69	Redhill 118	47 51	83 2	359.8	21.44	8.5... 9.7	1832.23	Σ 2	
475	β 1098	*υ*^{1} *Cassiopeiae*	47 53	58 19	75.2	12.79	6 ...13.5	1889.60	β 3	
476	Σ 72	DM (38°) 140	47 59	38 31	182.3	24.33	8.0... 9.0	1831.76	Σ 2	*Yel'sh*
477	Hu 802	DM (48°) 288	48 4	48 45	212.3	0.26	7.2... 7.8	1902.77	Hu 1	
478	H 3407	L 1522	48 7	−25 42	126.2	15±	10 = 10	1835.9	H	
479	OΣ 20	66 *Piscium*	48 14	18 32	72.8	0.62	5.9... 7.0	1847.33	OΣ 4	
480	Σ 74	DM (8°) 126	48 31	8 47	301.9	3.04	8.0... 9.0	1830.84	Σ 3	*White*
481	H 1056	....	48 31	61 12	133.1	9±	10 ...12	1828+	H	
482	Σ 73	36 *Andromedae*	48 32	22 59	320.5	0.94	6.2... 6.8	1836.90	Σ 3	*Golden*
483	A 437	A. G. Camb. 543	48 39	27 31	26.8	2.48	9.1... 9.3	1903.73	A 2	(*Bul. L. O.* No 50)
484	Σ 75	DM (12°) 109	48 49	12 54	275.3	4.82	8.6...10.6	1831.88	Σ 5	
485	β 500	L 1539	48 53	30 1	289.0	1.04	8.1... 8.1	1878.36	β 2	
486	H 629	W^2 0^h. 1224	48 59	33 54	70±	8±	8 ...11–12	1820+	H 1	
487	β 233	O. Arg. S. 505	49 9	−18 6	268.6	1.42	8.6... 9.4	1876.77	Δ 4	
488	β 1028	γ *Cassiopeiae*	49 28	60 4	255.9	2.18	2.3...11.0	1888.69	β 6	A and B
					348.2	52.15	...13	1879.68	β 4	A and C
489	β 1099	B. A. C. 255	49 34	59 43	270.2	0.15	6.1... 6.8	1889.57	β 3	
490	Howe 1	O. Arg. S. 509	49 52	−17 1	106.6	1.83	8.0... 9.0	1878.75	Cin 2	
491	Espin 44	DM (56°) 156	49 54	56 51	243.0	5±	8.0...10.0	1901	Es	(*A. N.* 3784)
492	Hd 39	DM (−1°) 119	49 59	− 1 3	*n*	15±	9 ...	1868.87	Hd	Hd 40 is near; no description
493	Espin —	....	50 :	57 15	116.3	4.86	9.6... 9.8	1892.80	Es 2	
494	....	....	50 :	0 30	253.5	16.35	7.5... 8.0	1899.88	Doo 2	
495	Arg. 3	O. Arg. N. 901	50 3	59 41	....	30±	8–9...	....		
496	H 2001	....	50 3	−22 42	44.3	15±	10–11...11	1830+	H 1	
497	H 1057	μ *Andromedae*	50 6	37 51	314.4	37.27	4 ...13	1878.67	β 3	A and B
					116.9	38.37	...11.5	1878.67	β 3	A and C
498	Ho 307	DM (31°) 147	50 9	31 33	84.6	1.75	9.5... 9.7	1891.07	Ho 2	(*A. N.* 3233)
499	Σ 76	DM (9°) 108	50 19	10 1	198.1	2.72	8.8...11.5	1830.54	Σ 3	*Yel'sh* (See p. 1057)
500	Hn 4	DM (53°) 184	50 34	53 45	125.0	0.97	8.5... 9.0	1881.58	β 3	
501	H 2002	....	50 36	−16 52	108.6	7±	11...11	1830+	H 1	
502	H 1058	....	51 3	49 34	279.8	7±	10–11=10–11	1828+	H 1	
503	H 2003	....	51 21	53 46	3.1	12±	10...10	1830+	H 1	
504	Σ 77	....	51 37	26 16	299.2	10.07	9.1... 9.1	1832.63	Σ 4	
505	H 2004	O. Arg. S. 531	51 42	−19 39	241.0	3±	8 ...11	1830+	H	
506	Knott 1	DM (81°) 25	51 43	81 14	62.3	13.79	Var...11.2	1881.32	β 4	A and B
					322.7	21.22	...12.2	1881.32	β 4	A and C
507	Wn 1	W^1 0^h. 881	51 46	8 38	130.2	5.32	9 ... 9.2	1863.86	Wn 2	
508	β 302	P 0^h. 245	51 55	20 45	92.5	0.75	6.7... 8.1	1876.27	Δ 4	
509	Hd 41	....	52 :	4 15:	*np*	5±	9.5...10.5	1868.95	Hd	
510	H 1060	....	52 0	44 16	297.0	8±	10 ...11	1828+	H	"Points to a star 7–8 m."
511	H 2005	DM (4°) 144	52 4	5 0	160.8	20±	10 ...11	1830+	H	
512	H 1059	....	52 9	65 1	185.8	10±	10 ...10	1828+	H 1	
513	S 390	L 1662	52 11	−16 20	212.9	7.78	9 ...10	1824.90	S 2	
514	A. G. 10	DM (23°) 135	52 17	24 2	112.0	4.59	9.0... 9.8	1901.86	Hu 2	
515	H 1061	....	52 29	66 38	99.4	12±	10...11	1828+	H 1	
516	A 438	SD (8°) 174	52 43	− 8 24	39.0	0.77	9.2... 9.5	1903.72	A 2	(*Bul. L. O.* No. 50)
517	H 1062	....	52 52	48 36	113.0	7±	10...12	1828+	H 1	
518	Σ 78	W^1 0^h. 894	52 53	4 44	245.5	5.26	9.0... 9.5	1831.40	Σ 4	
519	Σ 80	P 0^h. 251	53 15	0 8	300.1	18.26	7.8... 8.2	1833.68	Σ 6	*Yel.: blue*
520	Σ 79	*Andromedae* 164	53 15	44 4	192.4	7.62	6.0... 7.0	1832.45	Σ 3	*Very wh.: very blue*
521	H 2006	....	53 16	75 9	178.0	18±	10 ...10	1830+	H 1	
522	H 2007	....	53 17	−25 36	196.7	25±	9 ...12	1830+	H 1	
523	H 630	....	53 43	30 18	25±	3±	11 ...11	1820+	H 1	
524	Ma 1	DM (46°) 229	0 53 44	46 40	45.1	0.97	....	1845.68	Ma 2	

Number	Double Star	Star Çatalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
525	**H 1063**	....	0h 53m 53s	61° 49′	279°.4	3″±	10–11..11–12	1828+	H 1	
526	**Σ 81** *rej.*	**SD (2°) 136**	53 56	− 2 40	....	Cl. IV	7–8...11		Σ	From *Cat. Nov.*
527	**β 867**	**L 1719**	53 56	11 17	174.8	0.96	8.1... 8.6	1880.21	β 3	
528	**Σ 82**	**L 1737**	54 26	8 50	303.8	1.74	8.3... 9.3	1830.43	Σ 3	
529	**H 2008**	....	54 29	53 1	69.0	2½±	13=13	1830+	H	
530	**Espin 45**	**DM (48°) 320**	54 32	48 54	242.0	7.9	6.2...10.0	1901	Es	7.0 in DM (*A. N.* 3784)
531	**β 234**	**O. Arg. S. 563**	54 36	−17 43	330.8	4.65	8.2... 8.5	1875.84	Δ 3	A and B
					132.4	60.28	... 8.0	1876.30	Δ 2	A and C
532	**H 2009**	....	54 34	−13 35	349.7	12±	11 ...12	1830+	H 1	
533	**A. G. 11**	**A. G. Leip. 263**	54 44	11 45	4.0	52.21	8.7... 9.0	1892.84	Lp 1	
534	**A. G. 12**	**DM (23°) 139**	55 24	23 9	243.4	4.48	9.1...	1902.80	M 3	
535	**Hu 202**	**SD (11°) 188**	55 36	−10 52	240.0	2.17	8.5...13.5	1900.81	Hu 3	(*A. J.* 494)
536	**A. G. 13**	**SD (6°) 190**	55 38	− 6 37	148.4	2.46	8.7...10.0	1903.73	A 1	
537	**β 1161**	**L 1766**	55 53	51 9	324.2	0.48	6.9... 7.7	1890.71	β 3	
538	**H 2010**	**O. Arg. N. 1012**	55 54	47 3	271.6	10±	9 ...10	1830+	H 1	
539	**Ho 493**	**L 1791**	56 4	27 6	21.4	33.38	6.5...12.5	1893.79	Ho 1	
540	**Hn 62**	**SD (9°) 205**	56 5	− 9 30	291.0	1.25	10.0...10.0	1888.79	Com 4	
541	**OΣ 21**	**DM (46°) 243**	56 7	46 44	177.1	0.58	6.9... 8.2	1847.84	OΣ 4	
542	**H 1064**	39 *Andromedae*	56 10	40 42	4.8	16±	6 ...15	1828+	H 1	"Delicate"
543	**β 396**	**B. A. C. 282**	56 14	60 26	66.4	1.24	6.1... 9.2	1877.10	Δ 4	
544	**H 3411**	....	56 16	−30 38	2.1	15±	9½...12	1834+	H 1	
545	**Σ 83** *rej.*	**DM (49°) 275**	56 30	49 40	311.1	11±	9 ...11	1828+	H 1	
546	**H 2012**	....	56 30	−10 42	171.6	5±	10 ...11	1830+	H 1	
547	**See 10**	**Cord. DM (22°) 358**	56 33	−22 15	323.0	4.94	8 ...10.3	1897.63	See 1	
548	**Ho 494**	**DM (26°) 170**	56 39	26 38	94.5	11.66	8 ...13	1893.82	Ho 1	(See p. 1057) (*A. N.* 3557)
549	**Hu 517**	**DM (49°) 277**	56 44	49 47	13.8	0.52	7.8... 8.2	1902.57	Hu 3	(*Bul. L. O.* No. 27)
550	**Ho 495**	**DM (26°) 171**	56 52	26 26	251.6	11.91	8 ...12	1893.81	Ho 1	(*A. N.* 3557) (See p. 1057)
551	**Ho 213**	**DM (34°) 171**	57 21	34 49	195.6	0.25±	7 ... 7	1887.37	Ho 2	
552	**Hn 5**	**DM (27°) 167**	57 31	27 8	179.0	2.99	8.6...11.5	1881.67	β 3	(*Pub. Washburn Obsy.* I)
553	**Σ 84**	26 *Ceti*	57 38	0 43	252.0	16.05	6.6... 9.0	1832.94	Σ 4	*Wh.: blue*
554	**Hu 518**	**DM (49°) 281**	57 48	49 52	334.6	0.71	9.0...10.5	1902.66	Hu 4	A and B
					124.9	0.48	10.0...10.0	1902.70	Hu 3	C and D
					25.3	150.95	....	1902.67	Hu 1	AB and CD
555	**A 204**	**SD (2°) 148**	58 19	− 2 42	54.2	0.95	9.2... 9.6	1901.97	A 3	
556	**Σ 85** *rej.*	**SD (6°) 200**	58 20	− 5 57	159.5	28.71	8.2...10.2	1902.67	β 3	A and B
					117.3	33.90	...10.8	1902.67	β 3	A and C
557	**H 631**	**W² 0h. 1444**	58 32	27 20	20±	20±	9 ...12	1820+	H 1	
558	**H 1065**	....	58 32	27 28	161.4	18±	9 ...11	1828+	H 1	
559	**H 1067**	**DM (25°) 164**	58 40	25 35	238.3	15±	10=10	1828+	H 1	
560	**Σ 86**	**L 1885**	58 43	− 6 7	171.0	12.12	8.0... 8.7	1832.22	Σ 3	
561	**H 1068**	72 *Piscium*	58 44	14 18	265.6	30±	5–6...18	1828+	H 1	
562	**β 735**	**Lac. 296**	58 53	−34 10	218.3	8.64	7.0...11.5	1879.68	β 2	
563	**H 10**	**DM (12°) 131**	58 54	12 11	310±	3±	8 ...10	1820+	H	A and B
					50±	7–8±	... 9	1820+	H	A and C
564	**H 2011**	....	59 :	84 7	322.7	15±	9 ...11	1830+	H	
565	**Hd 42**	....	59 :	1 4:	255±	5±	9.5...10.8	1881.04	Hd	
566	**H 1066**	**O. Arg. N. 1080**	59 1	62 2	302.2	6±	9 ...14	1828+	H	
567	**A. G. 14**	**DM (20°) 154**	59 7	20 29	210.5	0.93	8.8... 9.2	1901.92	Hu 2	
568	**Σ 87**	**W¹ 0h. 1012**	59 9	14 45	193.0	6.56	8.0... 8.5	1829.85	Σ 3	*Yel'sh*
569	**H 2013**	....	59 10	44 8	256.0	20±	9–10...13	1830+	H	
570	**Σ 88**	*ψ¹ Piscium*	59 15	20 50	160.3	29.90	4.9... 5.0	1832.11	Σ 4	
571	**Ho 5**	**DM (32°) 191**	59 18	32 21	310±	0.4±	8 ... 8	1885.93	Ho 2	
572	**β 1228**	**DM (12°) 133**	59 30	12 41	268.0	0.82	8.3... 8.9	1891.59	β 3	
573	**S 393**	*σ² Piscium*	59 35	31 32	285.5	48.13	6 ... 9.5	1780.9	H 1	A and B
					234.4	138.41	...10	1879.27	β 2	A and C
574	**Σ 90**	77 *Piscium*	0 59 37	4 16	82.7	32.84	5.9...6.8	1833.30	Σ 5	*White*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
575	**H 1069**	....	0^h 59^m 46^s	69°22′	330°.1	12″±	10–11..10–11	1828+	H	
576	**Ħ IV. 66**	*Cassiopeiae* 106	59 59	52 51	76.8	24.03	....	1783.05	Ħ 1	
577	**H 2014**	**O. Arg. S. 620**	1 0 1	−26 57	124.3	15±	8–9...11	1830+	H	
578	**Σ 89** *rej.*	**O. Arg. N. 1090**	0 13	79 42	....	III–IV	8–9... 9	....	Σ	
579	**H 632**	....	0 20	− 0 7	135±	2±	11 ...12	1820+	H	"Elegant"
580	**OΣ (App) 11**	W^2 0^h. 1484	0 25	38 0	157.9	62.96	7.7... 8.2	1875.79	Δ 4	
581	**Doo 2**	....	0 33	61 2	342.4	0.60	9.5...10.5	1900.64	Doo 1	
582	**H 2016**	....	0 38	0 6	3.0	20±	9–10...10	1830+	H	
583	**β 501**	**L 1958**	0 40	− 5 17	29.9	2.55	8.0...11.7	1878.49	β 2	
584	**OΣ 22**	**L 1955**	0 46	10 55	195.0	8.75	7.2...10.2	1847.48	OΣ 3	*7.0 white*
585	**Ho 308**	W^2 0^h. 1493	0 47	33 21	260.2	16.92	8.2...13	1891.10	Ho 1	(*A. N.* 3233) (See p. 1057)
586	**H 217**	**SD** (13°) **201**	0 53	−13 41	78.1	10±	10 ...10+	1820+	H	
587	**β 397**	**L 1943**	0 54	46 12	142.1	8.75	7.6... 9.8	1876.64	Δ 2	A and B
					63.8	16.63	...13	1891.70	β 3	A and C
588	**A 439**	**SD** (6°) **207**	0 56	− 5 58	173.3	1.77	9.0...14.2	1903.72	A 2	(*Bul. L. O.* No. 50)
589	**H 1070**	....	0 56	61 32	85.0	3±	11 ...12	1828+	H	
590	**Lamont 2**	....	1 ±	59 56:	358.5	26.12	....	1836.0	Lam 1	
591	**Σ 91**	*Ceti* 160	1 2	− 2 22	328.8	3.86	6.7... 7.5	1831.89	Σ 3	*Yel'sh: white*
592	**H 1071**	**DM** (49°) **302**	1 16	49 46	124.4	12±	9–10...11–12	1828+	H	
593	**H 3419**	....	1 30	−26 39	325±	8±	11=11	1835.9	H	
594	**β 1292**	**DM** (3°) **161**	1 35	3 46	24.2	0.30	8.5... 9.0	1901.39	β 3	
595	**A. Clark 13**	**L 1980**	1 59	44 34	75.1	0.34	8.2... 8.3	1876.82	Δ 5	A and B
					353.5	15±	...(12)	1830+	H	AB and C
596	**Hd 43**	**DM** (1°) **213**	2 2	1 12	....	....	9.5...	1868.92	Hd	"Triple"
597	**β 502**	W^1 0^h. 1077	2 13	15 9	306.6	3.49	8.1...11.5	1878.29	β 2	
598	**H 2019**	....	2 18	52 17	232.5	3½±	12–13...13	1830+	H	
599	**H 2020**	....	2 18	0 4	49.0	5±	10 ...11	1830+	H	"Neat"
600	**OΣ 515**	*φ Andromedae*	2 32	46 36	309.9	0.53	4.9... 6.5	1851.51	OΣ 4	
601	**Ħ IV. 16**	31 *Cassiopeiae*	2 32	68 8	....	25±	....	....	Ħ	
602	**Hu —**	**DM** (48°) **347**	2 45	48 45	141.4	2.82	8.4...13.5	1902.79	Hu 1	(See No. 12829)
603	**β 868**	**O. Arg. N.** 1156	2 54	51 24	233.8	9.37	8.0... 9.8	1880.68	Bar. 4	
604	**Hu 519**	**DM** (51°) **238**	2 54	51 14	137.5	0.35	9.5... 9.5	1902.59	Hu 2	(*Bul. L. O.* No. 27)
605	**Barnard 1**	*β Andromedae*	3 0	34 59	186.1	28.39	2 ...14	1898.05	Bar. 5	A and B
					268.9	84.92	...12.5	1879.19	β 2	A and C
					140.7	90.76	...11.7	1879.19	β 2	A and D
					304.5	126.01	...10.9	1879.54	β 3	A and E
					87.3	157.66	...11.0	1879.19	β 1	A and F
					207.7	210.	...11.0	1878.82	β 1	A and G
					217.5	225.	...11.0	1878.82	β 1	A and H
					293.7	304.7	...10.2	1879.29	β 3	A and I
606	**Ho 214**	**L 2057**	3 0	37 29	246.3	2.85	8 ...12	1887.36	Ho 2	(*A. N.* 2977) (See p. 1057)
607	**H 633**	*Schj.* 379	3 2	− 3 32	140±	10±	9 ...10	1820+	H	
608	**A. G. 15**	**DM** (39°) **271**	3 2	39 32	250.2	2.61	9.0... 9.1	1902.54	β 2	
609	**OΣ 23**	**L 2016**	3 2	51 6	192.9	14.65	7.5... 8.0	1847.58	OΣ 4	
610	**H 2021**	....	3 4	−19 16	....	....	....	1830+	H	
611	**Innes 262**	**O. Arg. S.** 655	3 9	−30 16	168.9	0.76	8.1... 9.1	1900.84	I 2	
612	**β 303**	*Piscium* **201**	3 10	23 9	283.7	0.59	7.1... 7.3	1876.35	Δ 6	
613	**H 1072**	**SD** (8°) **201**	3 12	− 8 27	0.9	20±	9 ...10	1828+	H	
614	**β 235**	**L 2042**	3 29	50 22	74.0	0.48	7.0... 7.4	1875.65	Δ 6	A and *a*
					76.6	8.50	10.2...12.0	1878.65	β 1	B and *b*
					45.0	7.80	...11.2	1847.91	OΣ 2	C and *c*
					287.9	43.79	7.0...10.5	1868.75	Δ 2	A and B
					66.3	60.65	7.0... 8.9	1847.91	OΣ 2	A and C
615	**Hu 602**	**DM** (33°) **182**	3 32	33 36	203.0	4.12	9.0...10.2	1902.79	Hu 2	
616	**Doo 3**	**DM** (50°) **230**	3 44	51 2	350.8	1.08	9.3...10.8	1900.61	Doo 3	(*Pub. Flower Obsy.* I)
617	**β 2**	W^2 1^h. 16	1 3 46	29 14	155.7	2.07	9.3...10.5	1875.71	Δ 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
618	H 2023	SD (20°) 210	$1^h\ 3^m\ 51^s$	−20°52′	34°5	2″±	10 ...11	1830+	H	
619	β 1162	DM (35°) 215	3 52	35 18	140.3	0.34	9.2... 9.4	1890.68	β 3	
620	Σ 94	DM (15°) 170	3 56	15 57	273.1	19.07	8.7... 8.7	1829.31	Σ 2	
621	(H^5)	....	4 ±	48 37:	127.9	8.7±	7–8...11	1831.78	H 1	
622	A 440	SD (7°) 187	4 8	− 7 26	263.7	0.62	8.9...11.5	1903.73	A 1	(*Bul. L. O.* No. 50)
623	Σ 95	SD (5°) 200	4 24	− 5 36	310.9	14.05	8.5... 9.7	1829.87	Σ 3	
624	Ho 215	45 *Andromedae*	4 26	37 5	259.1	Elong.	6 ... 6	1889.96	Ho 1	
625	Kr 10	A. G. Hels. 998	4 31	60 33	280.9	3.35	9.5...10.5	1890.77	β 1	
626	H 634	P I^h. 4	4 36	8 55	295±	30±	6 ...13–14	1820+	H	
627	H 2022	....	4 46	70 58	160.4	8±	10 ...10+	1830+	H	
628	Hu 415	SD (17°) 206	4 46	−17 48	5.6	2.05	8.5...10.3	1901.90	Hu 3	(*Bul. L. O.* No. 21)
629	Σ 96	P 0^h. 312	4 51	64 22	280.9	1.27	7.8... 8.8	1831.91	Σ 3	7.8 *wh.*
630	β 398	O. Arg. N. 1200	4 52	47 10	50.5	1.85	9.0... 9.1	1877.02	Δ 3	
631	Doo —	DM (50°) 230	4 54	51 8	350.1	1.1	9 ...11	....	Doo	
632	H 11	....	5 :	12 13:	273±	5±	11 ...12	1820+	H	
633	β 236	DM (46°) 285	5 6	46 21	114.3	5.19	8.3... 8.8	1875.81	Δ 4	
634	H 2024	....	5 6	47 22	115.1	4±	10 = 10	1830+	H	"Very neat"
635	Σ 97	DM (50°) 236	5 10	50 53	98.6	4.54	8.5... 8.7	1833.42	Σ 3	*Very wh.*
636	H 2025	....	5 22	52 32	57.2	8±	9–10... 9–10	1830+	H	"Bad measure"
637	β 258	L 2110	5 33	61 4	260.4	0.79	6.2... 9.0	1875.20	Δ 4	
638	H 2026	DM (4°) 204	5 42	4 15	303.3	10±	10 ...15	1830+	H	"Difficult"
639	H 635	....	5 59	27 47	135±	12±	10 ...10+	1820+	H	"Points to a third star, 12 m."
640	Skinner 1	SD (14°) 228	6 8	−14 16	251.6	9.01	9.0...	1900.82	Boe 2	
641	Σ 98	B. A. C. 357	6 14	31 26	247.9	19.34	7.0... 8.0	1832.70	Σ 3	*White*
642	H 2027	....	6 21	43 48	161.4	18±	9–10... 9–10	1830+	H	
643	OΣ 27 *rej.*	35 *Ceti*	6 21	1 50	....	1.	6–7... 9	....	OΣ	
644	OΣ 26	L 2147	6 23	29 26	257.2	10.84	6.2...10.0	1849.51	OΣ 4	6.2 *yellow*
645	H 1074	....	7 0	62 32	347.0	8±	10...11	1828+	H	
646	β 1100	L 2155	7 9	60 18	43.6	0.48	7.4... 7.4	1889.54	β 3	
647	Σ 99	φ *Piscium*	7 14	23 57	227.5	7.98	4.7...10.1	1832.06	Σ 4	*Very yel.: blue*
648	β 1029	ζ *Piscium*	7 27	6 56	248.7	0.93	...11.0	1888.71	β 5	B and C AB=Σ 100
					63.7	23.46	4.2... 5.3	1832.83	Σ 5	A and B
649	H 2028	Rad^1. 376	7 36	73 23	206.4	40±	8–9... 9	1830	H	
650	H 636	W^2 I^h. 100	7 43	29 54	290±	18±	8 ...13	1820+	H	
651	H 12	....	7 50:	12 18:	225±	10±	10 ...11	1820+	H	
652	OΣ 28	Rad^1. 378	7 53	80 13	324.4	0.53	7.0... 8.5	1847.57	OΣ 3	A and B
					206.4	130.92	... 7	1875.53	Δ 4	A and C
653	Σ 101	L 2204	7 54	− 8 15	339.3	21.33	7.5...9.8	1832.22	Σ 3	7.5 *yel.*
654	H 2029	....	7 59	19 34	168.6	15±	9–10... 9–10	1830+	H	
655	Σ 3, App. I	37 *Ceti*	8 21	− 8 34	331.4	50.12	5.1... 7.0	1836.00	Σ 4	5.1 *yel'sh*
656	Hu 803	DM (33°) 193	8 23	33 38	161.5	0.48	8.5... 9.5	1902.75	Hu 1	
657	Ho 6	W^2 I^h. 119	8 37	37 51	111.3	1.29	8.0...11	1881.84	Ho 2	
658	H 2030	....	8 49	53 7	194.2	25±	9 ... 9–10	1830+	H	A and C
					62.5	12±	...15	1830+	H	A and B
659	H 1075	DM (67°) 96	8 59	67 32	103.5	8±	10–11...11	1828+	H	Double in A. G.
660	Howe 2	O. Arg. S. 714	9 34	−23 33	141.0	14.70	8.2...10.0	1877.85	Cin 3	
661	H 2031	....	9 34	43 49	259.0	12±	9–10...14	1830+	H	
662	β 3	DM (55°) 277	9 39	55 52	28.0	4.37	7.8...10.2	1875.48	Δ 4	
663	H 1076	W^1 I^h. 118	9 50	13 6	165.9	4±	9 ...17	1828+	H	A and B "difficult"
					258.0	25±	...14	1828+	H	A and C
664	Hd 44	....	10 :	−15 6:	*n*	5±	....	1868.79	Hd	
665	Σ 104	L 2269	10 8	37 50	322.5	13.09	8.0...10.0	1830.34	Σ 2	8.0 *yel. white*
667	Σ 106	W^1 I^h. 124	10 14	− 7 47	308.6	4.63	8.6... 8.7	1831.61	Σ 4	
668	Espin 119	DM (53°) 271	10 18	54 19	115.1	5.1	8.2...10.5	1902.	Es 1	(*Mon. Not.* LXIII, 172)
669	Σ 103	SD (2°) 192	10 33	− 2 10	247.8	5.00	7.7...10.8	1829.88	Σ 4	7.7 *white*
670	Hu 520	DM (48°) 391	1 10 38	49 7	162.3	0.16	8.2... 8.4	1902.71	Hu 3	(*Bul. L. O.* No. 27)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
671	H 2033	....	1^h 10^m 39^s	48°26′	48°.9	8″±	10–11...13	1830+	H	"In field with Σ 102"
672	Σ 102	L 2283	10 40	48 23	309.1	0.57	7.0... 8.2	1833.43	Σ 4	A and B
					225.7	10.22	... 8.4	1833.89	Σ 8	AB and C } *Wh.: bl'sh*
					66.9	29.89	...10.8	1832.45	Σ 3	AB and D
673	H 1077	W^2 I^h. 171	10 42	44 0	293.1	25±	8 ...10	1828+	H	(See p. 1058)
674	H 2032	....	10 46	70 41	143.3	10±	11 ...11+	1830+	H	
675	Σ 105	....	10 53	65 32	186.2	2.86	8.5... 9.7	1832.25	Σ 3	8.5 *white*
676	β 503	L 2307	10 54	9 58	136.7	5.44	8.0...12.0	1878.38	β 3	
677	Hd 45	DM (1°) 241	10 59	1 23	*f*	20±	8 ...10	1868.92	Hd	
678	Σ 107	DM (20°) 192	11 0	20 27	67.9	20.79	8.3...10.0	1830.78	Σ 3	
679	β 504	L 2318	11 9	1 12	277.3	1.40	7.5...12.0	1878.35	β 2	
680	H 2034	....	11 13	−19 34	116.4	8±	11=11	1830+	H	
681	Howe 3	O. Arg. S. 730	11 18	−23 52	286.8	7.74	8.0... 9.2	1878.86	Cin 3	
682	Σ 110	W^1 I^h. 154	11 46	−12 58	356.8	7.32	8.0... 8.5	1830.89	Σ 3	*Very wh.*
683	Σ 111	SD (5°) 226	11 55	− 4 58	329.7	20.71	8.3...10.2	1829.88	Σ 3	
684	Kr 11	A. G. Hels. 1117	11 56	60 57	239.1	1.77	9.3... 9.3	1890.77	β 1	
685	Σ 108	*Andromedae* 194	11 59	36 45	61.9	5.91	7.0... 9.8	1830.76	Σ 3	*Very wh.: ash*
686	Hd 47	....	12 :	−23 23:	....	....	....	1868.82	Hd	No description
687	OΣ 29 *rej.*	L 2332	12 1	39 20	265.4	19.89	7.0...11.2	1866.68	Δ 3	
688	Σ 109	DM (63°) 172	12 6	63 17	10.2	7.02	9.0...10.1	1832.72	Σ 4	
689	Hu 521	DM (48°) 404	12 14	48 20	98.9	0.25	9.0... 9.0	1902.73	Hu 4	(*Bul. L. O.* No. 27)
690	H 5453	W^1 I^h. 161	12 29	− 1 29	210±	30±	8 ...11	1828.0	H	
691	H III. 23	*φ Cassiopeiae*	12 32	57 36	271.8	12–15	....	1783.66	H 1	
692	Barnard 2	DM (3°) 184	12 40	4 1	10.9	1.36	8.3...	1894.55	Bar. 1	
693	Hu 522	DM (51°) 282	12 46	53 2	87.2	3.92	8.0...14.5	1902.60	Hu 2	(*Bul. L. O.* No. 27)
694	Hd 48	O. Arg. S. 751	12 53	−23 27	61.3	10.48	9 ...10.5	1867.80	Hd 1	
695	H 2035	W^1 I^h. 171	12 59	− 8 37	336.7	18±	9 ...11	1830+	H	8 m in W^1
696	See 11	Cord. Z. C. I^h. 333	12 59	−27 8	314.7	1.95	8 ... 8.8	1897.13	See 3	
697	S 397	35 *Cassiopeiae*	13 4	64 2	352.9	50.36	8 ... 9	1824.84	S 2	
698	Da 8	L 2362	13 7	43 19	139.8	2.68	7.7... 9	1859.74	Da 3	
699	Weisse 3	W^2 I^h. 233	13 18	36 0	182.9	4.10	8.5... 8.9	1902.17	β 2	
700	β 782	L 2357	13 20	55 35	79.2	2.95	8.0... 9.6	1881.57	β 3	
701	H 3425	....	13 24	−28 7	256±	2±	11=11	1834+	H	
702	Hu 523	DM (50°) 260	13 26	50 58	98.7	0.38	6.5...10.0	1902.62	Hu 4	(*Bul. L. O.* No. 27) (See p. 1058)
703	H 3424	....	13 32	− 9 24	86.3	12±	10 ...10½	1836.8	H	
704	A 313	SD (6°) 251	13 33	− 5 58	207.2	0.19	8.4... 8.8	1902.77	A 3	(*Bul. L. O.* No. 29)
705	Hu 416	....	13 38	−16 21	77.8	0.65	9.5...10.0	1901.94	Hu 3	(*Bul. L. O.* No. 21)
706	Σ 112	O. Arg. N. 1406	13 40	45 42	327.2	23.64	8.5... 9.0	1831.79	Σ 2	*Yel. wh.*
707	Σ 113	42 *Ceti*	13 41	− 1 8	334.3	1.18	6.2... 7.2	1836.91	Σ 3	*White*
708	See 12	O. Arg. S. 759	13 45	−25 35	205±	0.15±	8 ... 8	1897.74	See	
709	β 1229	Cord. G. C. 1244	13 46	−35 7	292.4	1.04	8.1... 8.4	1891.84	β 3	
710	A. G. 16	A. G. Leip. 369	13 54	13 8	190.1	31.46	8.6... 9.7	1893.97	Lp 2	
711	H 2036	*Ceti* 187	14 4	−16 26	53.0	2±	8=8	1830.8	H	
712	A. G. 17	A. G. Leip. 376	14 29	10 50	98.2	55.28	8.5...10	1892.88	Lp 1	
713	Σ 93	α *Ursae Minoris*	14 46	88 40	210.1	18.27	2.0... 9.0	1834.14	Σ 7	A and B
		(Polaris)			88.0	43.28	...13	1884.74	β 1	A and C
					172.2	82.68	...12	1884.74	β 1	A and D
714	β 4	*Piscium* 255	14 59	10 55	81.0	0.37	7.0... 7.5	1877.17	β 1	
715	Hd 49	....	15 1	− 0 55:	170±	4±	9 ...10	1880.87	Hd	
716	Σ 114		15 4	72 13	356.5	3.68	7.2...10.4	1832.48	Σ 4	7.2 *yel.*
717	Hu 417	SD (17°) 239	15 39	−17 7	323.4	2.62	9.0...12.2	1901.94	Hu 3	(*Bul. L. O.* No. 21)
718	Σ 115	L 2433	15 42	57 31	150.0	0.81	7.3... 7.5	1836.71	Σ 3	*Yel. wh.*
719	Hu 6	SD (10°) 295	15 56	−10 5	240.3	0.61	9.1... 9.3	1899.87	Hu 3	A and B
					237.1	35±	8–9... 9	1830+	H	AB and C
720	Jones 1	....	16 :	16 14:	16.0	2.86	9.4...10.4	1892.89	J 2	
721	See 13	O. Arg. S. 784	1 16 2	−24 45	306.0	0.24	8 ... 8.5	1897.63	See 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
722	**H 2040**	....	$1^h 16^m 8^s$	−26°23′	359°.0	10″ ±	10 ...11	1830+	H	A and B
					274.1	14±	...14	1830+	H	A and C
723	**Ku 8**	**DM** (48°) 414	16 11	48 28	330.4	2.23	9.6... 9.8	1901.72	Ku 3	
724	**OΣ (App) 16**	**W^2 I^h.** 302	16 18	16 34	138.3	63.41	6.5... 9.1	1875.00	Δ 4	
725	....	**DM** (12°) 168	16 21	12 8	31.6	5.11	9.2...11.3	1903.82	β 2	
726	**H 637**	**W^1 I^h.** 237	16 28	− 4 26	155±	18±	7–8...15	1820+	H	
727	**H 2043**	**L** 2498	16 41	−19 42	77.9	6±	7–8...10	1830+	H	"Very fine"
728	**Lv 1**	**DM** (0°) 226	16 47	1 7	171.4	0.86	9.5... 9.6	1886.75	LM 2	
729	**H 2041**	....	17 2	44 45	255.5	8±	10 ...11	1830+	H	
730	**H 2042**	....	17 13	55 5	283.9	18±	9–10...10	1830+	H	
731	**H 2038**	....	17 24	77 29	347.7	20±	10 ...10	1830+	H	
732	**β 1101**	ψ *Cassiopeiae*	17 27	67 30	41.2	3.19	4.5...13.5	1889.52	β 4	A and B
					101.8	32.22	... 8.9	1831.04	Σ 5	A and C
					253.3	3.01	... 9.5	1831.04	Σ 4	C and D
733	**Ho 309**	**W^2 I^h.** 334	17 34	19 13	205.7	2.60	7.7...12	1893.84	Ho 1	A and B
					97.1	43.62	...12	1893.84	Ho 1	A and C
734	**OΣ (App.) 17**	**W^2 I^h.** 329	17 37	38 24	103.4	37.49	7.5... 9.0	1875.67	Δ 3	A and B
					336.2	147.37	....	1875.67	Δ 3	A and C
					295.4	50.24	8.0... 9.0	1875.67	Δ 3	C and D
735	**H 1078**	**DM** (26°) 231	17 45	26 57	95.1	11±	9 ...12	1828+	H	A and B
					95.1	25±	...10	1828+	H	A and C
736	**H 3433**	....	17 48	−10 33	307.0	12±	10 ...11	1836+	H	
737	**H 13**	**DM** (12°) 172	17 52	12 17	310±	10–12	8 ...13	1820+	H	
738	**Se 1**	**L** 2548	17 53	−24 59	83.5	2.93	7 ...10	1855.99	Se 1	
739	**H 2044**	....	18±	4 23	....	15±	10=10	1830+	H	"R. A. very uncertain"
740	**H 1079**	44 *Ceti*	18 0	− 8 38	300.5	60±	6 ...12	1828+	H	
741	**β 505**	θ *Ceti*	18 1	− 8 48	60.5	58.8	3 ...14	1877.70	β 1	
742	**Σ 119**	**DM** (4°) 244	18 16	4 34	151.2	13.84	8.8...11.0	1832.18	Σ 3	
743	**β 1163**	*Ceti* 199	18 18	− 7 32	192.3	0.19	6.0... 6.2	1890.68	β 3	
744	**H 2037**	....	18 35	83 42	270.3	8±	10 ...11	1830+	H	
745	**Hu 418**	**SD** (17°) 252	18 40	−16 52	100.6	4.37	9.2... 9.2	1901.95	Hu 3	(*Bul. L. O.* No. 21)
746	**Ho 310**	**DM** (27°) 227	18 50	27 56	353.2	1.26	9 ... 9.2	1891.89	Ho 3	(*A. N.* 3233). (See p. 1058)
747	**OΣ 30**	**L** 2561	18 50	30 55	235.7	4.62	7.8...11.4	1855.74	OΣ 4	A and B
					105.0	56.98	... 7.5	1862.01	OΣ 4	A and C
748	**Hd 50**	**DM** (2°) 205	18 53	2 25	*sp*	25±	8.5...12	1868.92	Hd	
749	**Σ 120**	*Ceti* 202	18 58	− 6 34	280.7	7.06	7.0...10.8	1831.59	Σ 3	7.0 *very white*
750	**Hd 51**	....	19 :	2 19:	*np*	....	11 ...11	1868.92	Hd	"*np* DM (2°) 207"
751	**H 638**	....	19 5	− 4 49	273.0	2–3	12 ...12+	1820+	H	
752	**H 2045**	**O. Arg. N.** 1504	19 25	73 35	85.6	20±	8 ...14	1830+	H	(See p. 1058)
753	**Σ 121**	**DM** (63°) 187	19 29	63 51	279.4	13.76	8.7... 9.7	1831.80	Σ 2	
754	**β 1102**	**O. Arg. N.** 1510	19 39	59 40	336.3	0.84	10.3...10.3	1889.58	β 3	B and C
					265.4	60.29	8.5...	1889.58	β 3	A and BC
755	**Hu 525**	**DM** (48°) 436	20 15	48 37	322.0	1.10	8.2...11.2	1902.63	Hu 4	(*Bul. L. O.* No. 27)
756	**Σ 124**	**W^1 I^h.** 320	20 22	−14 31	232.2	7.08	8.2...10.2	1831.59	Σ 3	8.2 *yel'sh*
757	**Ho 7**	**W^2 I^h.** 406	20 28	40 29	158.9	13.47	6 ...13	1885.84	Ho 2	
758	**β 999**	ω *Andromedae*	20 29	44 47	91.9	2.29	5.3...12	1881.84	β 4	A and B
					110.3	134.26	....	1881.84	β 2	A and C
					140.1	5.04	10.7...10.7	1881.84	β 3	C and D
759	**Σ 118**	**Redhill** 203	20 38	82 44	62.0	10.75	8.5... 9.4	1832.49	Σ 4	
760	**Σ 122**	**L** 2632	20 41	2 55	332.8	5.79	7.0... 9.0	1833.56	Σ 3	*Very wh.: blue*
761	**Σ 125**	**DM** (−0°) 229	20 50	− 0 46	33.3	16.91	7.9...10.3	1833.23	Σ 6	7.9 *yel.*
762	**Σ 123** *rej.*	**DM** (52°) 347	20 53	52 51	164.0	15±	9–10=9–10	1830+	H	A and B
					75.0	10±	10–11..12	1830+	H	C and D
763	**A. Clark 14**	**L** 2634	21 15	42 10	95.6	0.78	8.0... 9.0	1859.81	Da 2	
764	**Ho 8**	....	21 23	34 4	246.0	3.26	9.7...10.3	1883.18	Ho 3	(*A. N.* 2778) (See p. 1058)
765	**β 1164**	95 *Piscium*	1 21 26	4 44	168.4	0.39	6.7... 7.0	1890.82	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
766	H 3436	O. Arg. S. 843	$1^h 21^m 30^s$	−30° 52′	126°3	12″±	7 ...10	1834+	H	
767	H 1080	....	21 33	70 17	311.0	5±	11 ...14	1828+	H	"Points to a star 9m."
768	β 399	*Ceti* 211	21 48	−11 31	302.3	1.56	6.3...10.0	1876.90	Δ 3	
769	A. G. 18	A. G. Leip. 417	21 55	13 51	40.9	73.97	8.6...10	1892.88	Lp 1	
770	S 398	P I^h. 85–7	22 5	7 20	98.3	69.75	7 ... 9	1825.00	S 2	
771	Hu 7	SD (10°) 312	22 10	− 9 54	212.0	1.63	9.0... 9.8	1899.99	Hu 3	(*A. J.* 480)
772	H 3437	L 2690	22 16	−17 53	245.2	13.4	7 ... 9½	1836.3	H	
773	Ho 9	DM (20°) 228	22 34	21 6	92.8	2.77	9 ...10	1883.92	Ho 2	
774	Σ 126 *rej.*	W^2 I^h. 458	22 41	24 24	214.6	40±	9 ...10	1831+	H	A and B
					238.6	15±	...12	1831+	H	A and C
775	H 1081	....	23 8	40 54	315.2	6±	10 = 10	1828+	H	"Points to a third star 10m." (See p. 1058)
776	A. G. 19	A. G. Leip. 424	23 30	13 35	321.4	102.27	8.8... 8.7	1892.88	Lp 1	
777	Σ 128 *rej.*	DM (60°) 255	23 45	60 25	....	Cl. IV	8 ...10	....	....	
778	See 14	48 *Ceti*	23 51	−22 15	249.6	22.39	6 ...12.8	1897.75	See 1	
779	Σ 129	W^1 I^h. 378	23 55	12 2	283.2	8.44	8.5... 9.0	1829.32	Σ 2	*White*
780	Espin 4	DM (42°) 313	23 59	43 0	104.9	3.47	7.7... 9.7	1892.98	Es 2	(*A. N.* 3717) (See p. 1058)
781	H 2048	DM (72°) 77	24 23	72 14	313.5	15±	9–10...13	1830+	H	
782	H 2046	....	24 28:	82 52	283.4	4±	12 ...12–13	1830+	H	
783	H 2049	DM (72°) 78	24 31	72 15	166.7	3±	9–10...12	1830+	H	"Neat"
784	H 1082	....	24 37	62 34	240.2	6±	10 ...11	1828+	H	
785	β 1230	Lac. 427	24 43	−26 50	224.5	2.62	7.0...12.5	1891.84	β 4	
786	A 441	SD (8°) 260	24 46	− 8 41	267.7	1.34	7.8...10.5	1903.71	A 3	(*Bul. L. O.* No. 50)
787	Σ 127	....	24 59	78 32	186.0	24.62	8.0... 9.0	1831.72	Σ 2	*White*
788	H 639	....	24 59	− 4 15	85±	1–2	10 ...10+	1820+	H	
789	β 1165	W^2 I^h. 510	25 4	40 27	62.4	1.82	8.4...12.1	1890.83	β 4	
790	β 506	*η Piscium*	25 4	14 44	12.9	1.02	4 ...11.0	1878.73	β 3	
791	H 2050	....	25 10	55 51	82.6	10±	10 ...11–12	1830+	H	
792	Σ 131	DM (59°) 271	25 17	60 4	142.4	13.64	6.0... 9.2	1830.27	Σ 3	6.0 *yel. white*
793	H 2051	O. Arg. N. 1640	25 31	53 3	71.6	15±	8 ...11	1830+	H	8.8m in DM
794	Σ 132	DM (16°) 167	25 35	16 20	5.4	24.25	7.0...10.0	1829.87	Σ 2	7.0 *yel.*
795	A. G. 20	A. G. Leip. 444	25 43	11 40	72.5	3.08	8.7... 9.0	1895.06	Lp 1	
796	H 2052	L 2791	25 47	−19 38	121.3	80±	7 = 7	1830+	H	
797	Σ 130	DM (69°) 105	25 50	69 17	187.7	7.49	8.0... 9.0	1832.08	Σ 3	*Yel'sh: ash*
798	Σ 133	*Andromedae* 219	25 55	35 14	179.1	2.99	7.0...10.5	1833.04	Σ 3	A and B
					199.5	29.08	....	1833.04	Σ 3	A and C 7.0 *yel.*
					346.1	4.76	10.8...10.8	1833.04	Σ 3	C and D
799	H 3442	....	26 38	−26 3	208.3	30±	6½...10	1836.7	H	
800	Arg. 4	O. Arg. S. 907	26 42	−27 11	71.8	18.08	8.0... 9.0	1877.83	Cin 2	
801	H 2047	DM (55°) 356	26 44	55 15	33.0	8±	11=11	1830+	H	
802	Arg. 5	O. Arg. N. 1665	26 48	45 22	319.5	9.97	8.6... 9.0	1902.17	β 2	
803	H 15	....	26 53:	11 25:	60±	12±	10 ...13	1820+	H	
804	OΣ 31	B. A. C. 464	27 1	7 36	85.0	4.04	6.9...11.0	1850.02	OΣ 4	6.3 *yel.*
805	Σ 134 *rej.*	....	27 1:	47 26:	....	Cl. III	8–9...10	....	Σ	From *Cat. Nov.* (See p. 1058)
806	Σ 135	DM (35°) 296	27 18	35 34	259.0	7.92	8.0...10.7	1830.76	Σ 3	8.0 *yel.*
807	H 640	SD (4°) 230	27 27	− 4 8	295±	4±	11 ...11	1820+	H	"Beautiful"
808	H 1083	....	27 32	60 40	36.2	....	11 ...14	1820+	H	
809	A 112	A. G. Harv. 704	27 42	51 13	332.3	0.90	9.1...10.0	1900.92	A 3	
810	Howe 4	W^1 I^h. 457	27 47	−12 50	328.3	0.84	8.1... 8.2	1877.83	Cin 2	
811	Howe 5	....	27 52	−12 25	31.5	13.00	8.5... 8.7	1877.86	Cin 2	
812	A 314	SD (9°) 301	28 20	− 9 4	359.9	0.33	8.3... 8.6	1902.77	A 3	(*Bul. L. O.* No. 29)
813	Σ 136	100 *Piscium*	28 29	11 57	78.8	16.03	6.9... 8.0	1831.47	Σ 5	*White*
814	H 1084	....	28 36	66 37	357.0	16±	9 ...11	1828+	H	
815	H 2058	....	28 39	−21 45	95.0	4±	11 ...12	1830+	H	
816	Σ 137	L 2869	28 42	30 40	86.6	3.37	8.2... 9.0	1833.13	Σ 4	*White*
817	H 2053	Rad^1. 468	28 50	71 58	20.9	28±	8 ...11	1830+	H	(See p. 1058)
818	H 2057	DM (45°) 387	1 28 53	45 45	45.0	12±	9–10...11	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
819	**H 2054**	40 *Cassiopeiae*	1^{h}28^{m}57^s	72°26′	241°.5	45″±	6-7...11-12	1830+	H	
820	**H 2060**	....	28 59	−24 44	90.1	25±	10 ...12	1830+	H	
821	**A. G. 21**	**A. G. Leip.** 456	29 0	12 16	98.8	7.97	9.0...10	1892.88	Lp 1	
822	**Hu 527**	**DM** (50°) 312	29 5	50 13	307.9	2.03	9.1...13.5	1902.73	Hu 2	(*Bul. L. O.* No. 27)
823	**Hn 6**	**W**^{2} **I**^{h}. 612	29 6	32 26	108.3	2.14	9.1... 9.1	1881.58	β 3	
824	**β 507**	**DM** (26°) 264	29 18	26 9	155.9	2.16	7.8...10.6	1879.91	β 3	
825	**β 1000**	**O. Arg. S.** 935	29 27	−30 32	336.4	1.80	7.6...12.0	1881.84	β 2	
826	**OΣ 33**	**Rad**^{1}. 476	29 31	58 1	74.4	24.26	7.2... 8.3	1846.80	OΣ 3	*White: yellow*
827	**H 2059**	**DM** (54°) 329	29 35	54 58	29.1	12±	9 ...12	1830+	H	
828	**Hu 419**	**SD** (17°) 284	29 38	−17 25	63.0	0.34	9.0... 9.6	1901.94	Hu 2	(*Bul L. O.* No. 21)
829	**H 2056**	**Rad**^{1}. 472	29 45	77 21	213.4	22±	7-8...13	1830+	H	7.1 m. in Rad.
830	**Σ 138**	**P. I**^{h}. 123	29 46	7 2	20.0	1.47	7.3... 7.3	1830.23	Σ 3	A and B } AB *yel. wh.*
					62.8	22.25	(14-15)	1875.96	Hl 2	AB and C }
831	**H 2061**	**L** 2942	30 2	−18 8	326.7	30±	7 ...10	1830+	H	
832	**β 869**	**L** 2935	30 3	3 42	198.2	5.13	8.0...11.7	1880.06	β 5	
833	**H 1085**	**DM** (62°) 284	30 25	63 6	119.1	3½±	9-10=9.10	1828+	H	"Fine"
834	**H 16**	....	30 30:	11 12:	330±	20±	10=10	1820+	H	
835	**H 2055**	**DM** (72°) 89	30 34	72 26	315±	10±	10 ...12	1830+	H	
836	**H 3447**	**B. A. C.** 489	30 35	−30 31	74±	3±	6½... 8	1835.	H	"Fine double star"
837	**OΣ 32**	**Rad**^{1}. 467	30 55	84 37	134.5	9.51	7.5...12.0	1847.22	OΣ 1	
838	**Espin 46**	**DM** (54°) 340	31 2	54 37	36.8	2.9	9.0...10.0	1901.	Es	} (*A. N.* 3784)
					288.1	53.0	... 9.5	1901.	Es	
839	**OΣ (App.) 20**	**W**^{2} **I**^{h}. 661	31 3	21 57	313.4	95.94	7.5... 8.5	1875.25	Δ 3	
840	**H 2062**	....	31 6	57 10	78.1	4±	11=11	1830+	H	
841	**Hu 528**	**DM** (51°) 350	31 8	52 0	289.8	1.10	8.5...13.0	1902.74	Hu 3	(*Bul. L. O.* No. 27)
842	**H 2063**	....	31 43	45 23	226.0	12±	9 ...12	1830+	H	
843	**Σ 139**	**DM** (52°) 397	31 44	52 21	225.2	10.27	8.8... 9.0	1830.24	Σ 3	*White*
844	**β 1166**	**L** 2980	31 45	38 3	345.8	2.63	8.4...11.5	1890.82	β 3	A and B }
					8.9	24.82	...13.5	1898.70	β 1	A and C }
845	**Σ 140**	**DM** (40°) 340	31 56	40 27	172.3	3.35	8.5... 9.2	1833.13	Σ 3	*White*
846	**Hu 529**	**DM** (49°) 427	32 7	49 53	91.9	0.26	8.8... 9.5	1902.60	Hu 3	(*Bul. L. O.* No. 27)
847	**H 1087**	**DM** (38°) 313	32 16	38 24	76.5	7±	10 ...11	1828+	H	Dup. in A. G. (See p. 1059)
848	**β 508**	**DM** (26°) 276	32 27	26 20	71.1	1.02	9.0... 9.5	1877.72	β 1	
849	**H 1086**	....	32 34	68 30	297.3	5±	11 ...12	1828+	H	
850	**H 2064**	**O. Arg. N.** 1797	32 35	54 14	324.6	12±	9 ...14	1830+	H	7m. in O. Arg.; 8.2m. in DM. (See p. 1059)
851	**β 783**	**O. Arg. N.** 1777	32 39	73 56	318.0	0.95	8.5... 8.9	1881.71	β 4	
852	**Hu 8**	**SD** (11°) 313	32 42	−11 18	28.9	1.27	8.5...12.0	1899.92	Hu 2	(*A. J.* 480)
853	**H 17**	**DM** (11°) 209	32 46	11 35	275±	5-7	9 ...10	1820+	H	
854	**β 5**	103 *Piscium*	32 47	16 1	289.4	1.34	7.0... 9.0	1875.52	Δ 4	
855	**Hu 530**	**DM** (51°) 364	32 55	51 55	225.9	2.64	8.4...13.0	1902.74	Hu 3	(*Bul. L. O.* No. 27)
856	**Σ 141**	**L** 3025	33 2	38 22	300.6	1.67	8.0... 8.5	1833.16	Σ 3	*Yel'sh*
857	**β 1167**	**W**^{2} **I**^{h}. 716	33 16	38 7	56.2	1.25	9.3...10.7	1890.82	β 3	
858	**Kr 12**	**A. G. Hels.** 1455	33 19	62 4	303.3	0.63	7.7... 7.7	1890.75	β 2	
859	**Hu 531**	**DM** (49°) 435	33 24	49 16	3.5	0.37	9.0... 9.5	1902.60	Hu 3	A and B } (*Bul. L. O.* No. 27)
					280.5	5.95	... 9.5	1902.52	Hu 1	AB and C }
860	**Σ 142**	**DM** (14°) 253	33 28	14 39	313.1	25.29	8.2... 8.4	1836.90	Σ 3	
861	....	*τ Andromedae*	33 30	39 58	328.4	52.35	5.0...10.2	1880.68	β 2	
862	**Σ 143**	**DM** (33°) 263	33 32	33 44	319.8	30.31	7.7... 9.0	1831.76	Σ 2	*Yel.: wh.*
863	**H 641**	**W**^{1} **I**^{h}. 564	33 33	− 3 8	132±	6±	9 ...11	1820+	H	
864	**H 2067**	**L** 3056	33 33	−18 24	92.0	5±	7 ...11	1830+	H	
865	**H 2066**	....	34 6	55 11	65.2	12±	11=11	1830+	H	
866	**Σ 144**	**DM** (−0°) 259	34 15	− 0 40	292.2	15.70	8.5...11.0	1830.16	Σ 4	*Yel.: wh.*
867	**Doo 4**	....	34 16	57 52	119.4	1.91	10.4...10.9	1900.70	Doo 2	
868	**H 1088**	**Bradley** 222	34 20	58 1	164.5	15±	7 ...11	1828+	H	
869	**H 2065**	....	34 33	76 45	163.8	15±	10 ...11	1830+	H	
870	**Σ 145**	**P. I**^{h}. 145	1 34 36	25 8	31.6	11.28	6.0...10.6	1832.84	Σ 4	6.0 *yel.*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
871	Σ 146	DM (9°) 204	$1^h 34^m 57^s$	9° 30′	306°5	23″81	8.3... 8.3	1829.52	Σ 3	*White*
872	β 1103	44 *Cassiopeiae*	35 13	59 57	3.8	1.73	6.2...12.5	1889.54	β 3	
873	Hu 9	SD (12°) 313	35 25	−12 45	293.4	4.62	9.0... 9.1	1899.91	Hu 3	(*A. J.* 480)
874	See 15	Cord. G. C. 1639	35 28	−22 20	311.1	2.74	8.1... 9.7	1897.73	See 1	
875	H 2072	O. Arg. S. 1008	35 45	−18 37	278.2	3±	9 ...10	1828+	H	
876	H 642	DM (1°) 305	35 47	1 18	310±	20±	9 ...12	1820+	H	
877	Σ 147	χ^1 *Ceti*	35 48	−11 55	88.2	4.01	5.3... 6.9	1831.90	Σ 5	*Wh.: yel. wh.*
878	H 2069	....	35 49	52 41	241.4	20±	9–0...10	1830+	H	
879	H 2073	....	35 50	− 8 50	47.4	6±	11–12...12	1830+	H	
880	Hu 420	SD (15°) 300	35 51	−14 56	236.4	2.50	9.0... 9.8	1901.95	Hu 3	(*Bul. L. O.* No. 21)
881	H 2076	....	35 53	−25 5	105.0	8±	10–11=10–11	1830+	H	
882	H 2071	107 *Piscium*	35 58	19 41	222.5	38.48	...12	1879.94	β 1	A and B
					316.5	60±	5–6...13	1830+	H	A and C
883	H 2068	....	36 0	71 32	148.4	4±	11–12...12	1830+	H	"6 stars of 9 m. in the field"
884	OΣ 35	L 3101	36 0	55 16	115.4	9.84	6.8...10.0	1847.54	OΣ 3	6.8 *yel.*
885	β 1104	Groom. 370	36 2	52 17	197.2	2.86	7.2...11.8	1889.60	β 3	
886	H 1089	O. Arg. N. 1882	36 20	71 6	89.0	15±	9 ...10–11	1828+	H	
887	β 870	B. A. C. 525	36 23	56 56	68.9	1.02	6.9... 8.3	1880.81	β 3	
888	A 1	SD (7°) 282	36 24	− 7 22	165.2	0.31	8.2... 8.7	1899.78	A 3	(*A. N.* 3635)
889	H 1090	....	36 35	71 7	157.5	6±	11=11	1828+	H	
890	Hu 10	SD (13°) 312	36 37	−13 56	304.4	0.76	8.5...9.0	1899.91	Hu 3	(*A. J.* 480)
891	H 2074	....	36 37	55 10	122.0	3±	13=13	1830+	H	
892	OΣ 34	Rad^1. 505	36 43	80 17	113.7	0.60	7.3...7.5	1847.57	OΣ 3	
893	Δ 3	DM (56°) 337	37 7	56 35	332.9	2.74	9.4...10.9	1877.47	Δ 4	
894	β 453	DM (56°) 338	37 7	56 31	224.1	0.91	8.8... 9.1	1880.81	β 3	
895	A. G. 22	A. G. Leip. 513	37 14	12 17	....	....	8.9...	....	....	
896	Hu 421	SD (16°) 292	37 16	−16 20	261.5	2.70	9.0...11.3	1901.90	Hu 3	(*Bul. L. O.* No. 21)
897	Σ 150	SD (7°) 284	37 22	− 7 41	195.5	36.19	7.2... 7.8	1831.88	Σ 3	*Very wh.*
898	Σ 149	L 3160	37 24	39 21	118.2	1.35	8.2... 9.7	1833.18	Σ 3	8.2 *yel'sh*
899	H 18	....	37 24:	11 30:	220±	25±	9 ...10	1820+	H	Probably DM (11°) 225
900	β 509	L 3170	37 25	8 58	93.5	0.71	8.4... 8.7	1878.42	β 3	
901	H 3455	SD (18°) 291	37 31	−18 13	....	Cl. III	8½... 8½	1834+	H	
902	H 3456	L 3184	37 33	−22 13	344.4	15±	8 ...10	1835.	H	
903	Σ 148	....	37 36	63 13	130.4	1.36	8.4... 9.0	1832.62	Σ 4	
904	H 2075	....	37 38	74 53	229.8	20±	9–10...10	1830+	H	A and B
					195.0	18±	...14	1830+	H	A and C
905	Σ 154	W^2 I^h. 834	37 48	43 6	126.7	5.17	8.0... 8.2	1833.14	Σ 3	*Very wh.*
906	Σ 151 *rej.*	....	37 49:	60 50:	....	Cl. II	8–9... 9	....	Σ	From *Cat. Nov.*
907	Σ 155	W^1 I^h. 667	37 54	8 53	332.8	4.60	7.5...7.9	1830.60	Σ 4	*White*
908	Σ 152 *rej.*	DM (60°) 336	37 55	60 50	....	Cl. II	8 ...10	....	Σ	From *Cat. Nov.*
909	Dunér 1	....	38 :	60 35	39.5	6.71	9.5...10	1875.59	Du 4	
910	H 2077	....	38 5	77 26	275.0	12±	10–11=10–11	1830+	H	A and B
					195.5	10±	...15	1830+	H	A and C
911	Σ 153	DM (60°) 343	38 20	60 40	69.2	7.45	8.5... 9.7	1831.77	Σ 3	
912	H 2079	DM (52°) 434	38 33	52 50	300±	8±	9–10...15	1830+	H	
913	β 6	L 3205	38 43	− 7 22	167.1	2.58	6.4... 9.2	1875.55	Δ 4	
914	Hu 11	SD (12°) 324	38 45	−12 16	203.4	3.10	8.5...12.2	1899.92	Hu 2	(*A. J.* 480)
915	Hu 532	DM (49°) 459	39 0	49 48	128.4	0.24	9.0...10.0	1902.54	Hu 2	(*Bul. L. O.* No. 27)
916	H 2080	....	39 10	52 52	121.8	10±	10–11...11	1830+	H	
917	Hu 804	DM (33°) 295	39 19	33 7	338.7	0.25	8.2...10.0	1902.75	Hu 1	
918	Hu 533	DM (50°) 352	39 23	50 31	184.2	2.02	9.0...10.0	1902.74	Hu 2	(*Bul. L. O.* No. 27)
919	H 643	....	39 24	− 3 0	225±	7±	10 ...11	1820+	H	
920	A. G. 23	A. G. Leip. 529	39 25	14 24	45.4	29.18	9.2... 9.0	1892.89	Lp 1	
921	H 3459	SD (20°) 331	39 25	−20 39	270.0	18±	9½...10	1835.	H	
922	β 784	DM (22°) 269	39 34	22 18	46.7	1.86	8.9...9.5	1881.71	β 3	
923	β 736	DM (38°) 347	39 38	38 20	209.0	0.86	8.5...10.3	1879.94	β 3	A and B
					115.5	12.26	... 9.0	1832.93	Σ 3	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
924	H 2081	....	$1^h 39^m 45^s$	−14°45′	141°0	12″ ±	10=10	1830+	H	
925	Σ 156	O. Arg. N. 1981	39 50	59 46	96.1	5.10	8.3...11.0	1832.52	Σ 3	8.3 *yel.*
926	Σ 158	DM (32°) 318	39 50	32 34	246.2	2.13	8.3... 8.8	1833.11	Σ 3	*White*
927	Ho 496	W² Iʰ. 885	39 53	29 1	186.7	14.96	8.5...12.5	1894.82	Ho 1	(*A. N.* 3557)
928	H 3461	*ε Sculptoris*	40 1	−25 39	72.5	3±	6 ...10	1835	H	"*White: dull red*"
929	Σ 160	SD (3°) 253	40 17	− 3 0	270.1	9.51	9.1... 9.9	1830.66	Σ 5	
930	β 1312	DM (53°) 388	40 18	53 17	288.4	4.99	8.0...12.2	1902.78	β 3	
931	H 1091	O. Arg. N. 1988	40 24	61 14	150.1	25±	8–9=8–9	1828+	H	B=O. Arg. N. 1986
932	Hu 534	DM (49°) 462	40 28	49 45	68.2	0.71	9.0...10.0	1902.64	Hu 2	(*Bul. L. O.* No. 27)
933	H 1092	....	40 54	68 54	254.8	4±	13 ...14	1828+	H	
934	Σ 159 *rej.*	DM (16°) 202	40 54	16 46	296.6	25±	9–10...12	1830+	H	
935	Σ 161 *rej.*	DM (27°) 282	40 55	27 53	....	Cl. IV	8 ... 9	....	Σ	
936	H 2084	DM (3°) 242	41 9	3 18	320±	15±	9 ...13	1830+	H	"P est. from diagram"
937	H 2086	SD (21°) 296	41 23	−21 21	110.4	7±	10 ...11	1830+	H	} 9.5 in SD
					166.6	12±	...13	1830+	H	
938	H 2082	....	41 32	56 9	128.3	15±	9–10...10	1830+	H	(See No. 12865)
939	Espin 5	DM (47°) 505	41 35	47 50	98.4	1.96	8.7... 9.2	1892.98	Es 2	(*A. N.* 3717)
940	Σ 166	W¹ Iʰ. 720	41 48	− 3 56	359.9	8.02	8.5...10.2	1829.88	Σ 3	
941	Σ 162	B. A. C. 547	41 48	47 18	224.5	1.90	7.0... 7.5	1836.75	Σ 2	A and B } AB *very white*
					179.5	20.36	... 9.3	1836.75	Σ 2	A and C
942	β 871	L 3289	41 49	− 1 33	352.6	1.88	8.4... 9.0	1879.88	β 4	
943	Σ 165 *rej.*	DM (19°) 287	41 56	19 42	....	Cl. IV	8 ...10	....	Σ	
944	H 2085	DM (52°) 444	41 56	52 12	61.9	8±	10 ...11	1830+	H	Another obs. 60°2 : 4″ ±
945	Egbert 1	....	42 :	45 29	146.2	5.73	8.0... 8.5	1879.78	Cin 1	
946	β 510	DM (15°) 267	42 4	15 43	337.4	1.59	8.0...12	1878.06	β 1	A and B }
					322.7	51.27	... 8.0	1783.04	H 1	A and C
947	H 2087	....	42 8	−13 40	229.6	15±	10–11..11–12	1830+	H	
948	....	DM (45°) 454	42 11	45 42	353.6	15.84	9.2... 9.5	1903.62	β 2	
949	Σ 164	W² Iʰ. 943	42 12	33 28	95.8	9.53	8.7... 9.0	1832.60	Σ 3	*White*
950	H 644	W¹ Iʰ. 736	42 22	7 5	277±	15±	8 ...14	1820+	H	
951	Σ 163	O. Arg. N. 2027	42 35	64 16	33.6	34.93	6.2... 8.2	1831.75	Σ 4	*Red-golden: blue*
952	Hd 52	....	42 40:	−11 27:	....	....	....	1869.08	Hd	No description
953	β 511	SD (2°) 299	42 40	− 2 1	157.6	27.89	8.5... 8.5	1829.91	Σ 2	A and B } (AB =Σ 171)
					316.0	3.69	...12.5	1878.20	β 3	B and C
954	H 2083	....	42 48	74 37	80.0	3±	9–10...13	1830+	H	
955	Hd 53	....	42 50:	− 1 12:	26.9	10.92	10 ...11	1867.82	Hd 1	
956	β 1016	DM (32°) 324	42 52	32 29	27.8	0.59	8.5... 8.5	1890.90	β 3	
957	β 1001	O. Arg. S. 1090	43 5	−18 59	2.7	1.32	8.0...11.5	1881.85	β 3	
958	Σ 168	DM (66°) 167	43 6	66 9	219.9	1.61	8.5...11.1	1833.00	Σ 4	
959	H 3466	O. Arg. S. 1095	43 13	−29 52	52±	25±	8 ...10	1835	H	9 m. in O. Arg.
960	Σ 167 *rej.*	DM (65°) 209	43 12	65 51	....	Cl. IV	8–9...11	....	....	
961	Σ 172	DM (26°) 305	43 16	26 30	194.5	17.49	9.0... 9.2	1830.00	Σ 2	
962	β 1313	DM (26°) 307	43 26	26 26	158.1	0.68	8.0... 9.8	1903.91	β 3	
963	Σ 174	1 *Arietis*	43 31	21 41	170.5	2.57	6.2... 7.4	1830.73	Σ 4	*Golden: very blue*
964	Σ 173 *rej.*	L 3344	43 38	13 45	199.7	15±	9 ...10–11	1828+	H	
965	H 1093	....	43 42	58 2	22.0	5±	10=10	1828+	H	"Neat"
966	β 1168	W¹ Iʰ. 758	43 48	−10 58	203.0	0.32	8.0... 8.3	1890.71	β 3	
967	Hu 422	SD (14°) 337	43 50	−14 30	25.7	0.29	8.5... 8.8	1901.90	Hu 3	(*Bul. L. O.* No. 21)
968	Σ 169	O. Arg. N. 2045	43 54	69 27	132.3	5.11	8.5...11.0	1832.25	Σ 3	8.5 *yel'sh*
969	H 2089	....	44 5	42 53	307.8	20±	9 ...9–10	1830+	H	
970	H 2088	....	44 8	51 4	344.0	6±	10–11..12	1830+	H	
971	β 1169	DM (51°) 420	44 17	51 46	206.4	2.20	8.5...12.3	1890.85	β 3	
972	A. G. 24	DM (45°) 464	44 19	45 13	170.7	15.93	8.6... 8.8	1903.38	β 3	
973	Σ 170	O. Arg. N. 2047	44 24	75 38	246.8	3.17	6.7... 7.5	1830.86	Σ 5	*Yel. wh.: bl. wh.*
974	Σ 175	DM (20°) 296	44 25	20 31	327.9	10.43	8.2... 8.5	1830.12	Σ 4	*Very wh.*
975	Hd 54	DM (1°) 335	1 44 26	1 55	117.3	4.51	9 ...10.5	1867.96	Hd 1	A and B }
					213.4	14.26	...12	1867.96	Hd 1	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
976	Σ 176 *rej.*	....	$1^h 44^m 32^s$:	28° 5':	....	Cl. IV	8 ... 9–10	....	....	From *Cat. Nov.*
977	Ho 311	W^2 I^h. 1000	44 32	24 3	174°.2	0'.36	7.0... 7.2	1890.50	Ho 2	
978	Arg. 6	O. Arg. N. 2065	44 39	56 42	130±	20±	7–8... 9	....	β	
979	H 3470	Cord. DM (23°) 682	45 12	−23 14	298.9	8±	10 ...10½	1835.	H	(See p. 1059)
980	Σ 177	W^1 I.^{h} 783	45 13	4 21	121.9	34.27	8.5... 9.0	1829.87	Σ 2	
981	Σ 178	P I^h. 191	45 40	10 13	193.3	3.08	7.8... 7.8	1828.96	Σ 3	*White*
982	Hu 805	DM (33°) 311	45 40	33 19	162.1	2.85	8.8...11.0	1902.75	Hu 1	
983	H 645	W^2 I^h. 1023	45 43	30 53	115±	5±	8 ...11	1820+	H	
984	H 2092	....	45 50	− 8 26	74.0	8±	11=11	1830+	H	"Very neat"
985	Hu 12	SD (10°) 390	45 51	−10 31	353.4	1.01	9.0...11.2	1899.84	Hu 2	(*A. J.* 480)
986	Σ 3113	W^2 I^h. 1024	46 4	44 3	270.5	1.49	8.7... 8.7	1833.23	Σ 3	
987	OΣ 36 *rej.*	....	46 4	4 4	....	15.	7 ... 10	....	OΣ	
988	Σ 179	*Andromedae* 241	46 6	36 44	160.4	3.46	6.7... 7.7	1831.04	Σ 4	*White*
989	H 1094	55 *Andromedae*	46 6	40 8	356.5	20+	6.7...14	1828+	H	
990	β 259	W^1 I^h. 805	46 20	−10 19	236.0	4.51	8.7...11.2	1875.82	Δ 3	
991	H 2093	....	46 42	51 54	8±	8±	10 ...11	1830+	H	
992	β 260	L 3444	46 45	14 51	228.1	0.56	8.3... 9.0	1875.81	Δ 3	
993	Σ 180	γ *Arietis*	46 56	18 42	360.0	8.63	4.2... 4.4	1830.84	Σ 7	A and B *Very wh.*
					85.2	228.76	... 9	1823.86	Sh 1	A and C
994	β 512	DM (18°) 244	47 12	18 42	27.3	1.45	9.0...13	1878.01	β 2	
995	β 183	L 3487	47 21	−17 20	227.9	2.69	8.4... 9.4	1876.03	Δ 4	
996	H 3472	Cord. DM (28°) 590	47 29	−28 40	50.4	3±	9½=9½	1835.9	H	
997	Σ 181 *rej.*	DM (37°) 404	47 32	37 36	....	Cl. IV	7 ... 8–9	....	Σ	
998	Σ 182	O. Arg. N. 2125	47 58	60 42	122.7	3.46	7.0... 7.0	1836.46	Σ 2	*Yel. wh.*
999	Hd 55	....	48 :	− 3 1:	....	....	....	1868.11	Hd	No description
1000	Lewis 1	....	48 :	18 38	65.7	6.13	9 ...10	1897.86	L 1	
1001	Hu 423	SD (14°) 354	48 10	−14 48	109.9	1.77	9.0... 9.5	1901.90	Hu 3	(*Bul. L. O.* No. 21)
1002	Σ 183	DM (28°) 319	48 17	28 13	22.3	0.55	7.5... 8.2	1833.12	Σ 3	A and B AB *wh.*: C *ash*
					163.7	5.68	... 8.8	1832.31	Σ 5	AB and C
1003	H 1095	....	48 19	69 45	336.5	9±	11 ...12	1828+	H	
1004	H 1096	....	48 32	15 2	179.4	8±	10 ...15	1828+	H	
1005	H 2096	....	48 33	55 55	5.4	3±	10–11...13	1830+	H	
1006	H 2094	....	48 48	68 47	271.0	....	9 ...10	1830+	H	"Δ R. A. = 5^s"
1007	H 2090	....	49 ±	81 46	340.0	4±	11 ...12	1830+	H	
1008	Σ 4, App. I	56 *Andromedae*	49 1	36 40	302.3	177.53	6.0... 6.0	1836.19	Σ 5	*White*
1009	H 1097	....	49 3	37 9	....	....	....	1828+	H	
1010	H 2098	....	49 3	−22 8	336.5	18±	10 ...10+	1830+	H	
1011	A. G. 25	DM (35°) 377	49 7	35 27	68.7	5.33	8.5... 8.6	1902.56	β 2	
1012	H 646	....	49 23	7 12	150±	12±	10 ...11	1820+	H	
1013	H 19	....	49 25:	11 11:	355±	20+	12 ...13	1820+	H	
1014	A. G. 26	A. G. Leip. 579	49 37	14 31	309.7	27.47	8.7...11	1895.12	Lp 1	
1015	Σ 186	P I^h. 209	49 41	1 15	64.7	1.23	7.2... 7.2	1831.12	Σ 4	
1016	H 2097	....	49 42	55 53	23.3	8±	10 ...12	1830+	H	
1017	H 3243	....	50 29	25 43	61.5	15±	10–11=10–11	1831+	H	
1018	A. G. 27	A. G. Leip. 584	50 31	14 30	257.3	18.33	9.2... 9.3	1895.08	Lp 1	
1019	Σ 184 *rej.*	O. Arg. N. 2167	50 31	73 23	....	Cl. IV	8 ...10	....	....	
1020	H 1098	....	50 33	59 35	334.5	12±	10 ...11	1828+	H	
1021	Σ 189	DM (18°) 250	50 34	18 22	269.6	8.52	8.7... 9.8	1829.52	Σ 3	
1022	Σ 187 *rej.*	DM (30°) 307	50 38	30 59	....	Cl. III	8–9...11	....	....	From *Cat. Nov.*
1023	H 1100	B. A. C. 588	50 47	64 2	310.4	30±	5–6...11–12	1828+	H	
1024	Σ 188 *rej.*	DM (62°) 332	50 49	62 19	236.6	40±	9 ...10	1828+	H	
1025	S 404	DM (40°) 411	50 49	40 48	67.4	20.59	8 ...10	1824.87	S 1	"Small star *blue*"
1026	H 2095	....	51 ±	81 44	260.5	5±	9–10...14	1830+	H	Probably DM (81°) 69
1027	Σ 185	DM (74°) 91	51 1	74 55	40.3	1.39	7.0... 8.5	1831.95	Σ 3	*White*
1028	H V. 12	λ *Arietis*	51 15	23 1	48.0	36.62	4.9... 7.7	1781.73	H 1	
1029	H 1099	....	1 51 15	69 54	191.2	10±	10 ...12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1030	**H 2100**	DM (52°) 479	$1^h\ 51^m\ 16^s$	52°45′	170°.8	10″ ±	9–10...13	1830+	H	
1031	**A. G. 28**	DM (31°) 346	51 30	31 21	175.4	3.18	9.2... 9.5	1902.59	β 2	
1032	**H 2101**	....	51 31	55 48	274.0	6±	10 ...11	1830+	H	"Neat star"
1033	**Ho 10**	$W^2\ I^h$. 1176	51 43	37 6	198.5	2.50	8 ...12	1884.56	Ho 3	
1034	**β 7**	58 *Ceti*	51 43	− 2 39	12.1	2.86	7.0...12.0	1875.53	Δ 3	
1035	**Hu 13**	SD (12°) 364	52 4	−12 33	103.7	1.00	8.5... 9.0	1899.91	Hu 2	(*A. J.* 480)
1036	**β 513**	48 *Cassiopeiae*	52 7	70 19	264.4	1.04	5.0... 7.5	1878.70	β 3	A and B
					51.2	23.67	...13.6	1891.62	β 3	A and C
					83.3	47.09	...13.0	1898.86	β 1	A and D
1037	**Σ 192**	DM (57°) 447	52 23	57 57	184.1	4.54	8.2...10.8	1832.25	Σ 3	8.2 *wh.*
1038	**Ho 11**	DM (33°) 333	52 24	33 38	139.7	4.59	9.0... 9.4	1884.25	Ho 3	
1039	**Σ 194**	DM (24°) 288	52 34	24 15	264.1	1.24	8.0... 8.3	1831.45	Σ 3	*Yel. wh.*
1040	**Σ 191**	Groom. 422	52 35	73 16	190.7	5.59	6.2... 8.5	1832.15	Σ 5	*Wh.: blue*
1041	**Σ 195**	DM (43°) 405	52 46	43 52	194.6	3.06	8.5... 8.8	1832.54	Σ 3	*White*
1042	**Σ 193**	DM (59°) 380	52 54	59 56	193.8	2.96	8.3...10.7	1832.24	Σ 3	8.3 *white*
1043	**Σ 196**	P I^h. 222	52 55	20 26	55.5	2.37	8.5...11.0	1832.42	Σ 3	A and B
					167.4	39.46	... 9.2	1832.42	Σ 3	A and C 8.5 *yel.*
					0.8	183.68	... 6	1862.95	Kn 1	A and D
1044	**Sh 22**	47 *Cassiopeiae*	53 6	76 42	192.3	93.59	4 ...10	1821.97	Sh 1	"*White: blue*"
1045	**H 2103**	SD (22°) 328	53 11	−22 47	43.5	40±	9 ... 9+	1830+	H	B=SD (22°) 329
1046	**Espin 6**	DM (52°) 489	53 15	52 56	204.0	6.01	7.9...10.8	1899.87	Es 3	(*A. N.* 3717)
1047	**Sh 24**	*Ceti* 292	53 24	−23 30	306.5	9.08	8 ... 9	1822.89	Sh 1	
1048	**Σ 198** *rej.*	$W^1\ I^h$. 929	53 52	6 7	....	Cl. IV	8 ... 8.9	....	Σ	
1049	**β 514**	L 3698	53 57	−13 54	135.3	6.20	8.0...12.0	1877.69	β 1	
1050	**Σ 197**	$W^2\ I^h$. 1247	53 59	34 43	233.6	18.33	7.3... 8.3	1833.48	Σ 3	*White: ashy*
1051	**β 785**	49 *Cassiopeiae*	54 4	75 32	245.7	5.22	6.0...13	1881.70	β 4	
1052	**β 872**	L 3694	54 28	32 44	182.1	5.25	8.1...11.6	1880.75	β 4	
1053	**H 3476**	L 3731	54 29	− 9 6	183.7	60±	6 ...10	1835.	H	"Large star *very yellow*"
1054	**β 515**	L 3707	54 38	15 59	243.3	1.51	7.7...12.5	1878.38	β 2	
1055	**H 1101**	....	54 41	63 33	98.4	7±	10 ...11	1828+	H	
1056	**Σ 200**	DM (23°) 271	54 53	23 31	124.2	7.98	8.5... 9.0	1832.62	Σ 4	*Very wh.*
1057	**OΣ 37**	Rad^r. 587	55 26	80 55	223.6	1.37	7.0... 9.2	1848.49	OΣ 3	
1058	**Hu 806**	DM (47°) 552	55 29	48 3	154.4	1.67	8.0...12.5	1902.77	Hu 1	
1059	**Ho 12**	$W^2\ I^h$. 1292	55 42	34 5	100.4	3.10	8.0...10.7	1883.91	Ho 4	
1060	**H 1102**	....	55 48	62 8	54.5	7±	11 ...11+	1828+	H	"Points back to a star C"
1061	**Σ 202**	α *Piscium*	55 50	2 11	335.7	3.64	2.8... 3.9	1831.16	Σ 5	*Gr. wh: blue*
1062	**Σ 203** *rej.*	....	55 55:	18 51:	....	II–III	9 ... 9	....	Σ	
1063	**Σ 199**	O. Arg. N. 2289	55 58	67 6	21.0	35.76	8.5... 8.5	1831.59	Σ 3	*White*
1064	**Σ 201**	ε *Trianguli*	55 58	32 42	119.6	3.72	5.3...11.3	1833.11	Σ 3	5.3 *very wh.*
1065	**H 2102**	DM (83°) 46	56 ±	83 22:	178.5	12±	10 ...15–16	1830+	H	
1066	**β 873**	Rad^r. 597	56 7	63 48	29.1	2.03	7.3...10.9	1880.77	β 6	
1067	**H 20**	DM (11°) 266	56 15	11 59	15±	25±	10 ...11	1820+	H	9.3 m. in DM
1068	**H 647**	$W^1\ I^h$. 980	56 16	7 6	50±	30±	10 ...10–11	1820+	H	
1069	**Σ 206**	DM (10°) 274	56 27	10 48	134.0	31.34	8.0... 9.2	1829.87	Σ 2	*White*
1070	**OΣ 38**	γ *Andromedae*	56 32	41 45	62.4	10.33	3.0... 5.0	1830.02	Σ 6	A and BC *Golden: blue*
					125.5	0.48	5.0... 6.2	1843.55	OΣ 3	B and C
1071	**Kr 13**	A. G. Hels. 1831	56 38	56 26	343.5	3.94	9.2... 9.5	1890.77	β 1	
1072	**Σ 207**	DM (16°) 233	56 45	17 4	185.3	11.62	8.5...11.0	1831.17	Σ 3	
1073	**A 315**	SD (2°) 346	56 48	− 2 20	324.2	3.35	9.0...14.5	1902.79	A 3	(*Bul. L. O.* No. 29)
1074	**Σ 208**	10 *Arietis*	56 50	25 21	25.2	1.98	6.2... 8.4	1833.05	Σ 4	*Yel.: ash*
1075	**H 2106**	....	56 53	−20 54	64.9	30±	9 ...10½	1830+	H	
1076	**Σ 209** *rej.*	W^1. I^h. 995	57 7	− 7 59	....	Cl. IV	8–9... 8–9	....	Σ	From *Cat. Nov.*
1077	**H 2104**	DM (52°) 500	57 9	52 27	166.4	25±	9=9	1830+	H	"Fine"
1078	**Σ 204**	DM (69°) 133	57 13	69 22	68.7	1.20	8.6... 9.1	1831.26	Σ 4	*Yel'sh*
1079	**H 2107**	SD (20°) 388	57 13	−20 12	359.6	10±	10 ...10+	1830+	H	
1080	**H 3478**	O. Arg. S. 1262	1 57 22	−30 54	138.5	30±	8 ...8½	1834+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1081	H 2108	SD (9°) 390	1h 57m 29s	− 9° 22′	251°.4	12″ ±	10 ...12	1830+	H	9.5 in SD
1082	H 2105	....	57 31	53 12	227.3	3±	12=12	1830+	H	"Followed by 3 stars in an arch"
1083	H̶ V. 102	61 *Ceti*	57 39	− 0 55	193.7	37.88	6 ...10.5	1783.65	H̶ 1	
1084	A. G. 29	A. G. Berlin 619	57 42	22 8	....	....	....	....	....	
1085	H 1103	DM (63°) 291	57 42	63 35	252.3	8±	10 ...12	1828+	H	A and B } "AC est. by diagram"
					150±	10±	...13	1828+	H	A and C
1086	Hu 14	SD (11°) 397	58 16	−11 35	18.8	3.66	9.1... 9.1	1899.91	Hu 2	(*A. J.* 480)
1087	A 442	SD (7°) 352	58 22	− 7 1	266.8	0.93	9.0...12.5	1903.75	A 3	*Bul. L. O.* No. 50)
1088	Σ 211 *rej.*	....	58 24:	− 6 0:	....	Cl. IV	8 ...11	....	Σ	
1089	Σ 210 *rej.*	DM (36°) 402	58 30	36 23	....	Cl. III	8–9...10	....	....	From *Cat. Nov.* (See p. 1059)
1090	H 2111	....	58 47	4 21	355.5	8±	10 ...11	1830+	H	
1091	β 516	L 3851	59 6	− 1 33	285.0	1.07	8.0...8.0	1877.92	β 2	
1092	Hu 15	SD (11°) 400	59 9	−11 25	8.0	1.57	8.5...10.0	1899.88	Hu 1	(*A. J.* 480)
1093	H 2112	O. Arg. S. 1280	59 9	−19 43	177.1	15±	9 ...12	1830+	H	
1094	S 405	Groom. 445	59 14	79 7	274.2	55.30	7 ... 7½	1823.97	S 2	
1095	H 2109	DM (54°) 461	59 16	54 32	216.3	5±	10 ...11	1830+	H	9.5 m. in DM
1096	A. G. 30	A. G. Leip. 623	59 19	12 46	....	Dup.?	8.1...	1892.89	Lp	
1097	Σ 212	W² Ih. 1386	59 30	24 32	165.9	2.04	8.0...8.5	1832.77	Σ 4	*White*
1098	Ho 312	11 *Arietis*	2 0 1	25 8	330.1	1.09	6.5...12	1890.07	Ho 2	
1099	H 1105	....	0 4	58 24	77.3	12±	9–10...11	1828+	H	
1100	H 1104	....	0 8	68 14	97.4	5±	11=11	1828+	H	
1101	H 21	W¹ Ih. 1045	0 15	9 54	315±	30±	8 ...15	1820+	H	
1102	See 16	Cord. G. C. 2092	0 25	−22 44	36.1	0.54	8.1... 9.1	1897.74	See 2	
1103	A. G. 31	A. G. Leip. 627	0 25	14 5	150±	30±	8.8...11.5	....	Lp	
1104	H 1106	....	0 36	63 8	70.5	6±	10 ...11	1828+	H	
1105	Σ 214	W¹ Ih. 1067	1 2	15 1	190.3	5.24	8.0... 9.8	1831.89	Σ 3	8.0 *white*
1106	Σ 213	DM (50°) 459	1 17	50 30	320.0	1.95	8.5... 9.0	1832.33	Σ 3	A and B }
					61.2	7.03	...12.5	1901.25	β 2	A and C
1107	H 1107	....	1 39	72 22	90.5	12±	10 ...11	1828+	H	
1108	Σ 215	DM (40°) 442	1 43	40 13	58.0	19.20	8.2... 9.7	1831.12	Σ 2	8.2 *yel'sh*
1109	A. G. 32	DM (40°) 443	1 47	40 16	99.4	21.40	9.0... 9.2	1902.56	β 2	
1110	H 2114	....	1 51	−26 1	....	....	....	1830+	H	
1111	Espin 48	DM (42°) 456	2 11	42 17	182.9	10.9	7.2...11.0	1901	Es	
1112	Arg. 7	O. Arg. N. 2417	2 30	55 50	270±	25±	8–9... 9	....	β	
1113	Σ 217 *rej.*	....	2 30:	54 39:	....	....	8...8...9	....	Σ	Cl. III and IV
1114	Σ 216	DM (61°) 387	2 32	61 47	270.5	0.59	7.8... 8.7	1831.23	Σ 3	*Yel.*
1115	Σ 218	W¹ Ih. 1100	2 35	− 1 0	250.0	4.78	7.0... 8.0	1832.36	Σ 4	*White*
1116	H̶ VI. 69	14 *Arietis*	2 35	25 22	....	89.47	5.2... 8.5	1783.66	H̶ 1	A and B }
					278.0	105.25	... 7.7	1823.97	S 2	A and C
1117	H 1108	....	2 42	63 55	211.1	4±	10–11...11	1828+	H	
1118	Hu 16	SD (10°) 438	2 47	−10 39	329.1	1.07	8.9...10.1	1899.89	Hu 3	(*A. J.* 480)
1119	H 2113	O. Arg. N. 2413	2 55	70 43	197.4	12±	9 ...14	1830+	H	"Neat"
1120	Σ 221	DM (19°) 329	3 3	19 47	145.2	8.38	7.7... 8.9	1836.91	Σ 3	A and B } *7.7 yel'sh*
					226.2	61.0	...12	1856.09	Wn 1	A and C
1121	H 1109	DM (38°) 422	3 6	38 37	181±	18±	10 ...11	1828+	H	
1122	β 874	5 *Persei*	3 8	57 5	273.6	5.60	6.5...12.5	1880.60	β 3	
1123	Σ 219	W² Ih. 490	3 11	32 48	181.6	11.39	8.2... 9.0	1831.45	Σ 2	*White*
1124	H 2116	SD (10°) 439	3 33	−10 45	150±	18±	9–10...12	1830+	H	
1125	Σ 222	59 *Andromedae*	3 36	38 28	34.8	16.48	6.7... 7.2	1831.45	Σ 3	*Very white*
1126	H 2110	....	4 ±	84 37	320.3	4±	10 ...12	1830+	H	
1127	H 2115	....	4 10	54 34	52.5	6±	10–11...11	1830+	H	
1128	H 3484	....	4 14:	−30 13:	63.5	89.16	8 ... 9½	1837.01	H 1	Measures from H³
1129	Σ 224	W¹ IIh. 20	4 22	13 7	242.4	4.97	7.5... 8.0	1830.53	Σ 3	*Yel. wh.: wh.*
1130	H 1110	....	4 27	67 59	212.8	4±	12 ...12	1828+	H	
1131	OΣ (App) 24	Rad.¹ 632	4 31	56 39	332.1	55.73	6.7... 8.0	1875.64	Δ 4	
1132	Hu 17	SD (13°) 396	2 4 37	−13 42	260.1	2.01	9.1...11.0	1899.89	Hu 3	(*A. J.* 480)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1133	**Espin 47**	**DM** (47°) 580	2^{h} 4^{m} 39^{s}	47°41′	292°.4	4″.8	8.4...11.0	1901	Es	A and B } (*A. N.* 3784) (See p. 1059)
					259.1	19.8	...10.5	1901	Es	A and C }
1134	**H 2117**	....	4 40	44 6	29.3	5±	11=11	1830+	H	"Quadruple; the others 14 m."
1135	**A. G. 33**	**A. G. Leip.** 647	4 41	11 46	320.2	39.81	9.0...9.6	....	Lp	
1136	**Σ 225**	**DM** (53°) 474	5 5	53 39	78.1	5.69	8.0...11.2	1831.74	Σ 3	8.0 *wh.*
1137	**Σ 227**	ι *Trianguli*	5 25	29 45	80.5	3.68	5.0... 6.4	1836.73	Σ 3	*Yel.: blue*
1138	**H 1111**	....	5 25	63 41	346.7	5±	10-11...11	1828+	H	
1139	**Σ 226**	**DM** (23°) 296	5 27	23 24	249.8	2.42	7.8... 9.7	1832.19	Σ 3	7.8 *yel.*
1140	**Ho 497**	**W^{2} II^{h}.** 66	5 33	36 48	73.7	0.44	8.2... 9.0	1894.81	Ho 2	
1141	**σ 60**	6 *Persei*	5 34	50 31	75.8	146.58	5.8...10.2	1852.78	OΣ 3	
1142	**Hd 56**	....	6 :	− 2 58:	158±	5±	....	1867.94	Hd	
1143	**Σ 223**	**O. Arg. N.** 2486	6 9	80 10	48.3	0.65	8.0...10.4	1831.03	Σ 4	8.0 *wh.*
1144	**Σ 228**	*Andromedae* 259	6 21	46 55	262.1	1.08	6.7... 7.6	1831.46	Σ 5	*White*
1145	**β 1275**	**O. Arg. N.** 2491	6 21	54 45	203.7	3.26	7.5...13.0	1898.66	β 4	
1146	**♅ N. 105**	....	6 24:	12 53:	....	Cl. I	....	....	♅	
1147	**See 17**	**O. Arg. S.** 1387	6 27	−21 25	358.2	9.04	7.9...10.8	1897.75	See 1	
1148	**Σ 230**	**O. Arg. N.** 2493	6 28	57 56	257.3	24.09	7.5... 8.7	1831.02	Σ 2	7.5 *white*
1149	**Σ 231**	66 *Ceti*	6 39	− 2 57	228.9	15.54	6.0... 7.8	1832.67	Σ 5	*Yel'sh: blue*
1150	**Σ 229**	**DM** (33°) 383	6 50	33 57	1.0	2.43	8.6...10.0	1832.87	Σ 5	
1151	**H 326**	**SD** (7°) 379	7 0	− 6 56	125±	10±	9 ...10	1820+	H	
1152	**A 205**	**DM** (39°) 501	7 6	39 12	306.1	1.54	8.7...11.5	1902.00	A 3	
1153	**Hu 807**	**DM** (34°) 396	7 14	34 21	144.4	0.51	8.4... 8.6	1902.75	Hu 1	
1154	**Hu 424**	**DM** (23°) 300	7 15	23 8	335.7	1.63	9.0...11.0	1901.85	Hu 3	(*Bul. L. O.* No. 21)
1155	**A 443**	**SD** (4°) 358	7 16	− 4 30	137.5	1.14	9.1... 9.4	1903.00	A 2	(*Bul. L. O.* No. 50)
1156	**H 2118**	....	7 26	72 50	49.1	25±	9.10...10	1830+	H	
1157	**Hu 535**	**DM** (50°) 490	7 27	50 10	49.0	1.27	8.8...13.0	1902.63	Hu 4	(*Bul. L. O.* No. 27)
1158	**♅ VI. 110**	**L** 4130	7 39	− 3 36	124.6	80.87	....	1783.0	♅ 1	
1159	**Σ 232**	*Trianguli* 28	7 43	29 50	245.5	6.56	7.5... 7.5	1832.03	Σ 3	*Very wh.*
1160	**H 2120**	**Cord. DM** (26°) 802	8 6	−26 20	249.1	23±	9 ... 9+	1830+	H	
1161	**H 2119**	....	8 18	18 16	300.7	20±	9-10...11	1830+	H	
1162	**H 1112**	....	8 25	66 54	225.5	12±	10 ...13	1828+	♅	
1163	**OΣ (App) 25**	**P II^{h}.** 21, 22	8 29	56 30	204.2	102.88	6.1... 7.1	1875.64	Δ 4	
1164	**Σ 234**	**DM** (60°) 457	8 34	60 48	239.2	0.84	7.8... 8.7	1831.55	Σ 3	*White*
1165	**♅ III. 42**	....	8 36:	33 51:	....	Cl. III	....	1781.78	♅	
1166	**Σ 235**	**DM** (55°) 560	8 53	55 21	43.4	1.71	8.5... 9.0	1830.87	Σ 3	*Yel'sh wh.*
1167	**Hd 57**	....	8 54	23 52	95±	7±	9.2... 9.3	1881.02	Hd	
1168	**H 22**	....	9 :	11 30:	100±	7-8	10 ...11	1820+	H	
1169	**Σ 236**	**DM** (51°) 535	9 16	51 55	259.1	0.81	8.5... 9.3	1831.87	Σ 3	
1170	**Σ 237**	*Schj.* 654	9 17	10 13	238.4	14.53	8.4... 8.7	1836.86	Σ 2	*White*
1171	**β 786**	**DM** (55°) 563	9 18	55 12	353.0	4.89	8.5... 9.9	1881.57	β 4	
1172	**Σ 233**	**DM** (75°) 90	9 26	75 50	278.4	2.59	8.5... 9.0	1832.11	Σ 3	*White*
1173	**H 2121**	....	9 32	53 35	165.0	15±	10=10	1830+	H	
1174	**σ 66**	δ *Trianguli*	9 36	33 41	341.9	62.58	5.2...13.7	1902.68	β 2	
1175	**β 1170**	χ *Persei*	9 39	56 57	313.3	0.27	11.5...11.7	1890.74	β 3	B and C }
					352.6	70.47	6.2...	1879.55	β 2	A and BC }
1176	**H 1113**	....	9 41	65 55	178.0	4±	10 ...14	1828+	H	(See p. 1059)
1177	**A 206**	**DM** (36°) 453	9 56	36 56	108.1	0.85	8.3...10.7	1900.00	A 3	A and B }
					356.3	10.92	8.5... 9.0	1830.92	Σ 2	A and C }
1178	**OΣ 39** *rej.*	**Rad.^{1}** 649	9 59	79 13	....	....	7 ...	....	....	
1179	**Hastings**	**L** 4219	10 3	−18 47	311.8	2.22	8.0... 9.0	1879.92	Hl 2	
1180	**A 444**	**SD** (9°) 433	10 11	− 9 28	339.3	1.01	8.8...11.0	1903.78	A 3	(*Bul. L. O.* No. 50)
1181	**Σ 242** *rej.*	*Ceti* 346	10 20	−10 23	....	Cl. IV	6-7...10	....	Σ	
1182	**A 445**	**SD** (5°) 421	10 24	− 5 49	182.4	2.04	9.0...11.0	1903.00	A 2	(*Bul. L. O.* No. 50)
1183	**Σ 239**	**P II^{h}.** 38, 39	10 27	28 12	208.9	14.03	7.0... 8.0	1832.42	Σ 5	*White*
1184	**Σ 240**	*Arietis* 65	10 28	23 19	48.0	4.71	7.7... 8.2	1832.19	Σ 3	*White*
1185	**H 3491**	**O. Arg. S.** 1439	2 10 34	−21 34	286.1	5±	9 ... 9½	1835.	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1186	Tucker	DM (37°) 518	$2^h\ 10^m\ 35^s$	37°32′	240°8	2′69	8.5...10.5	1901.10	A 3	
1187	H 1114	DM (56°) 522	10 38	56 35	324.3	12±	7 ...10	1828+	H	
1188	....	DM (56°) 530	10 48	56 37	335.7	27.40	7.2...12.5	1902.90	β 2	
1189	Σ 244	W^2 II^h. 230	10 49	21 41	289.8	4.45	8.8... 9.0	1832.19	Σ 3	*White*
1190	A 207	DM (38°) 453	10 50	38 46	126.4	0.24	9.5... 9.6	1902.00	A 2	
1191	A. G. 34	DM (39°) 515	10 51	39 27	....	....	9.3...	....	....	
1192	H 2122	DM (71°) 131	10 52	71 38	139.3	30±	9–10... 9–10	1830+	H	"Dif. R. A.=4^s6"
1193	OΣ (App) 26	Rad^1. 673	11 2	59 28	199.7	63.45	6.1... 6.5	1875.65	Δ 4	
1194	Σ 245	DM (39°) 517	11 13	39 43	291.8	11.01	7.0... 8.0	1832.31	Σ 5	*Yel'sh wh.: bluish wh.*
1195	Σ 246	W^2 II^h. 236	11 28	33 56	122.5	10.48	7.3... 8.5	1832.04	Σ 3	*Yel'sh: bluish*
1196	A. G. 35	A. G. Leip. 672	11 33	13 55	....	....	8.0...	....	Lp	
1197	H 2123	DM (72°) 125	11 57	72 55	27.2	23±	9 ...13	1830+	H	(See p. 1060)
1198	H 1115	10 *Trianguli*	11 59	28 5	206.8	50±	6 ...18	1828+	H	
1199	Σ 247 *rej.*	DM (3°) 320	12 7	3 37	....	Cl. II	9 ... 9	....	Σ	
1200	Σ 241	DM (73°) 129	12 10	73 33	282.6	19.75	8.5...10.0	1831.78	Σ 2	
1201	O. Stone 5	Cord. DM (31°) 920	12 12	−31 17	204.9	3.09	8.0... 8.7	1879.68	β 4	
1202	β 437	L 4291	12 26	3 39	32.4	7.16	8.0...12	1877.95	β 2	
1203	Hu 808	DM (32°) 419	12 30	32 41	218.4	0.5	8.8...11.5	1902.75	Hu 1	
1204	H 648	....	12 45	31 58	105±	6±	9–10...10–11	1820+	H	
1205	β 1171	DM (56°) 556	12 46	56 18	21.4	1.01	8.6...13.2	1890.71	β 3	
1206	H 327	SD (7°) 400	13 10	− 7 24	320±	20±	8 ...10	1820+	H	
1207	H 2126	....	13 11	53 8	....	....	....	1830+	H	"A double star *p* two more"
1208	H 2127	DM (53°) 508	13 16	53 8	129.5	5±	10 ...11	1830+	H	
1209	H VI. 1	*o Ceti*	13 17	− 3 31	90.0	74.70	Var...13	1878.88	β 2	A and B }
					92.5	114.60	...10	1782.65	H 1	A and C }
1210	H 2124	....	13 18	71 45	199.0	15±	10 ...13	1830+	H	
1211	H 2128	DM (53°) 512	13 28	53 11	....	10±	10–11...11	1830+	H	
1212	Σ 248	W^2 II^h. 278	13 31	42 14	161.0	1.64	8.9... 8.9	1832.13	Σ 4	*Yel'sh*
1213	Ku 9	DM (24°) 336	13 31	24 24	47.2	12.67	10.1...11.3	1901.59	Ku 2	Kustner (3821)
1214	Σ 250	W^2 II^h. 287	13 57	36 52	135.8	3.16	8.5... 9.0	1832.01	Σ 3	*White*
1215	Σ 249	DM (43°) 474	13 58	44 3	194.7	2.28	7.0... 9.0	1831.11	Σ 3	*Very wh.: ash*
1216	A. G. 36	DM (35°) 459	13 58	35 30	225.4	3.41	9.0... 9.5	1902.56	β 2	
1217	β 875	9 *Persei*	14 0	55 18	162.0	11.58	5.5...12.3	1880.61	β 3	
1218	H 2125	DM (73°) 134	14 18	74 4	86.6	24±	9–10...10–11	1830+	H	9.4m. in DM
1219	Σ 251	DM (38°) 465	14 21	38 50	264.9	2.24	8.2... 9.0	1832.14	Σ 3	*Yel'sh wh.*
1220	H 2130	O. Arg. S. 1488	14 22	−24 25	109.4	35±	8–9...8–9+	1830+	H	
1221	OΣ 40	L 4329	14 25	37 57	56.0	0.59	7.8... 8.6	1850.64	OΣ 4	
1222	Hu 425	DM (20°) 381	14 26	21 2	24.8	0.39	9.4...10.0	1901.96	Hu 3	(*Bul. L. O.* No. 21)
1223	A. G. 37	DM (31°) 412	14 35	33 42	293.0	5.02	8.8... 9.3	1902.55	β 2	
1224	Σ 254	DM (22°) 333	14 48	23 5	334.1	13.33	8.5...10.0	1831.75	Σ 2	8.5 *yel.*
1225	Hu 536	DM (51°) 554	14 57	52 0	317.9	0.57	8.5...10.5	1902.67	Hu 3	(*Bul. L. O.* No. 27)
1226	β 8	W^1 II^h. 210	14 59	8 20	200.4	0.96	8.3... 9.2	1875.31	Δ 4	
1227	Σ 252	DM (66°) 208	15 20	66 18	44.8	3.12	8.5...11.2	1832.99	Σ 4	8.5 *wh.*
1228	H 3495	SD (11°) 446	15 25	−11 29	289±	15±	10=10	1834+	H	"A large star follows"
1229	Hu 426	SD (15°) 407	15 49	−15 7	4.6	0.70	9.1... 9.3	1901.95	Hu 2	(*Bul. L. O.* No. 21)
1230	Σ 256	DM (48°) 662	15 50	48 48	195.5	21.10	8.2... 9.5	1831.98	Σ 2	A and B } *White*
					44.0	36.70	... 9.5	1831.98	Σ 2	A and C }
1231	Σ 255 *rej.*	DM (59°) 480	15 53	59 26	....	Cl. II	9 ... 9	....	Σ	
1232	H 2129	DM (76°) 79	15 58	76 48	159.4	10±	10 ...14	1830+	H	"Large star *very red*"
1233	Hu 427	SD (15°) 410	15 59	−15 1	349.7	1.14	8.7...11.0	1901.97	Hu 3	(*Bul. L. O.* No. 21)
1234	H 2134	....	16 0	−11 10	265.2	9±	9 ...10–11	1830+	H	
1235	Σ 257	DM (60°) 472	16 41	61 0	164.9	0.60	7.2... 7.7	1830.53	Σ 3	*Yel'sh wh.*
1236	H 2132	DM (72°) 130	16 42	72 14	149±	18±	9–10...10	1830+	H	A and B } 9.4m. in DM
					117±	36±	...11	1830+	H	A and C }
1237	H 3498	Lac. 711	16 43	−28 25	....	10±	7 ...16	1835.	H	
1238	Cordoba	....	16 43	−29 54	....	III	8½...10	....	....	
1239	A. G. 38	A. G. Leip. 690	2 16 45	14 52	260.0	34.51	8.7... 9.0	1895.17	Lp 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1240	β 876	DM (32°) 433	$2^h16^m46^s$	32°58′	235°.4	1″.19	7.5...12.3	1880.13	β 4	A and B
					26.8	5.89	9.5...10.2	1832.53	Σ 3	C and D 7 5 *yel'sh*
					143.6	70.26	....	1832.18	Σ 2	A and C
1241	Hn 7	L 4370	16 49	57 39	186.5	1.79	8.1...10.4	1881.56	β 4	
1242	H 1116	DM (71°) 139	16 52	71 15	123.7	7±	9–10...11	1828+	H	
1243	Espin 7	DM (54°) 539	16 52	54 42	258.7	11.44	7.0...13.6	1899.95	Es 3	(See p. 1060) (*A. N.* 3717)
1244	H 2135	....	16 55	−17 35	1.6	10±	10 ...10–11	1830+	H	"A third near"
1245	H 649	....	17 4	9 4	120±	1½±	15 ...16	1820+	H	
1246	Espin 49	DM (46°) 566	17 6	46 31	150.3	35.7	8.7...	1901.	Es	A and B (*A. N.* 3784)
					94±	1.7±	10.7...11.0	1901.	Es	B and C (See p. 1060)
1247	Ho 313	W^1 II^h. 249	17 22	− 8 23	75.7	1.42	8.3... 8.7	1890.03	Ho 2	(*A. N.* 3233) (See p. 1060)
1248	Σ 259 *rej.*	O. Arg. N. 2728	17 31	47 31	18.0	12.61	8.5...12	1833.23	Σ	
1249	H 1117	....	17 53	63 49	293.0	5±	10 ...12	1828+	H	
1250	Σ 261	DM (10°) 321	17 55	10 57	249.2	3.01	8.6... 8.7	1832.38	Σ 4	*Yel'sh wh.*
1251	H 2133	DM (72°) 134	18 0	72 33	155.0	20±	9–10...10	1830+	H	
1252	β 738	Lac. 720	18 0	−30 25	182.6	0.64	7.5... 7.5	1879.70	β 2	
1253	Ho 314	W^1 II^h. 264	18 5	− 8 25	198.4	3.95	8.4...10.2	1890.03	Ho 2	(See p. 1060) (*A. N.* 3233)
1254	Hu 537	DM (48°) 670	18 9	48 41	16.6	1.92	8.2... 9.2	1902.72	Hu 3	(*Bul. L. O.* No. 27)
1255	Σ 260	DM (53°) 526	18 10	53 44	348.1	6.58	8.2... 8.7	1831.23	Σ 3	*White*
1256	Σ 265	SD (2°) 404	18 24	− 2 18	136.6	12.05	8.2... 8.7	1829.87	Σ 2	*White*
1257	A 446	SD (6°) 473	18 40	− 6 26	348.8	0.45	9.1... 9.3	1903.75	A 3	(*Bul. L. O.* No. 50)
1258	H 650	....	18 46	2 57	30±	10±	11 ...11	1820+	H	
1259	Σ 266	W^1 II^h. 282	18 48	− 2 39	268.3	7.39	8.2... 8.7	1829.88	Σ 3	*Very wh.*
1260	β 517	*Ceti* 374	18 54	− 4 26	248.4	10.82	7.5...12.5	1877.99	β 1	A and B
					286.9	54.97	...11.5	1878.99	β 1	A and C
1261	A. G. 39	A. G. Leip. 706	18 55	13 59	355±	17±	8.7... 9.7	1893.93	Lp	
1262	Σ 262	ι *Cassiopeiae*	19 10	66 52	276.7	1.86	4.2... 7.1	1829.66	Σ 5	A and B *Yel.: blue: blue*
					107.3	7.63	... 8.1	1829.85	Σ 5	A and C
1263	β 739	O. Arg. S. 1542	19 33	−30 24	264.5	2.13	8.1... 8.7	1879.68	β 3	
1264	Ho 216	DM (30°) 396	19 55	30 45	331.4	0.98	8.0...10.5	1887.00	Ho 2	
1265	Σ 267 *rej.*	DM (53°) 529	19 54	53 50	....	III–IV	8 ... 8	....	Σ	
1266	H 2140	SD (11°) 459	19 59	−11 10	240±	8±	9–10...10	1830+	H	
1267	H 3500	O. Arg. S. 1548	20 12	−21 53	341.8	15±	8½... 9	1835.	H	
1268	♅ III. 80	O. Arg. S. 1551	20 18	−15 53	292.4	11.27	....	1783.65	♅I 1	
1269	OΣ (App) 27	P II^h. 85	20 19	10 2	31.2	73.96	6.7... 7.7	1875.42	Δ 4	
1270	H 2138	SD (6°) 479	20 26	− 6 13	163.9	6±	10 ...11	1830+	H	9.5m. in SD
1271	Σ 263	....	20 40	60 7	100.4	14.56	8.0...11.2	1832.20	Σ 2	A and B
	Σ 264	....			225.7	16.69	9.0...10.0	1832.20	Σ 2	A^1 and B^1
					262.5	38.82	....	1832.20	Σ 2	A and A^1
1272	Doo 5	....	20 42	61 12	183.2	1.25	10.5...10.3	1900.62	Doo 2	
1273	H 2137	DM (42°) 523	20 44	42 42	136.4	20±	9 ...10	1830+	H	8.5m. in DM.
1274	H 2136	DM (53°) 531	20 54	53 19	37.1	5±	9–10...10–11	1830+	H	
1275	Σ 268	DM (54°) 557	20 58	55 0	129.1	2.69	6.9... 8.2	1831.63	Σ 5	*Wh.: blue*
1276	Hu 428	DM (22°) 350	21 23	22 48	59.8	0.49	9.2... 9.5	1901.94	Hu 3	(*Bul. L. O.* No. 21)
1277	β 1172	DM (56°) 635	21 27	56 42	238.3	1.64	8.4...10.9	1890.71	β 3	
1278	Σ 269	P II^h. 89	21 46	29 23	340.4	1.90	7.5... 9.8	1832.36	Σ 3	*Yel.: ash*
1279	H 2141	....	22 13	44 57	145.0	4±	13 ...14	1830+	H	
1280	Σ 270	....	22 21	55 1	302.1	21.18	7.2... 9.0	1829.19	Σ 2	7.2 *wh.*
1281	H 2139	DM (52°) 590	22 38	52 38	130±	⅔	9 ...	1830+	H	
1282	A 447	SD (7°) 436	22 40	− 7 36	150.1	2.93	9.0...12.0	1903.81	A 3	(*Bul. L. O.* No. 50)
1283	Hu 18	SD (11°) 467	22 46	−11 10	250.4	4.48	8.5...12.5	1900.10	Hu 3	(*A. J.* 480)
1284	A 448	SD (9°) 467	22 50	− 9 17	39.5	0.67	8.5... 9.8	1903.81	A 3	(*Bul. L. O.* No. 50)
1285	β 518	*Ceti* 389	23 11	9 2	138.4	1.57	6.5...11.0	1878.00	β 3	
1286	β 1314	DM (57°) 582	2 23 14	57 10	119.6	3.53	7.5...13.2	1902.90	β 3	A and B
					333.5	13.25	. .11.8	1902.90	β 3	A and C
					162.8	15.11	...14	1902.91	β 2	A and D
					268.5	25.17	...11.8	1902.90	β 2	A and E

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1287	Doo 6	DM (61°) 422	$2^h\ 23^m\ 17^s$	61°16′	289°.6	1″.07	7.7...11.2	1900.62	Doo 2	(*Pub. Flower Obsy.* I)
1288	β 519	W^1 II^h. 367	23 38	− 2 48	58.8	0.80	8.2... 9.7	1878.40	β 2	
1289	Σ 271	P II^h. 96	23 38	24 42	180.5	11.86	6.5...11.0	1831.75	Σ 2	6.5 *yel.*
1290	H 2142	DM (53°) 538	23 53	53 43	308.6	7±	9–10...10	1830+	H	A and B }
					359.5	8±	...10	1830+	H	A and C }
1291	β 304	L 4613	24 5	36 56	283.1	17.86	7.5...11.5	1879.83	β 2	
1292	H 1118	....	24 8	66 9	120.0	3±	11 ...11–12	1828+	H	
1293	A. G. 40	DM (20°) 410	24 10	20 58	245.8	5.60	9.0...10.0	1901.85	Hu 2	
1294	Ku 10	DM (32°) 456	24 14	32 23	355.5	3.50	9.4...10.0	1901.44	Ku 2	Kustner (3821)
1295	Σ 272	DM (57°) 585	24 23	57 56	42.3	1.73	8.2... 8.2	1830.87	Σ 3	*Very wh.*
1296	H 3502	B. A. C. 773	24 26	−23 13	83.5	25±	6½...13	1835.86	H	(See p. 1060)
1297	H 2143	DM (56°) 656	24 53	57 0	20.4	15±	9–10...11	1830+	H	
1298	H 2144	DM (48°) 695	24 59	48 20	261.5	20.	9–10...11	1830+	H	
1299	OΣ 42	Rad^1. 732	25 6	51 47	110.0	0.40	7.0... 7.5	1847.55	OΣ 3	
1300	H 3504	O. Arg. S. 1607	25 10	−30 53	271.3	7±	8 ... 8½	1834+	H	
1301	Σ 274	W^1 II^h. 400	25 20	0 34	218.2	13.47	7.2... 7.7	1833.37	Σ 3	*Very wh.*
1302	H 2145	....	25 21	17 11	218.4	7±	10–11...13	1830+	H	
1303	Σ 273	W^2 II^h. 580	25 23	17 51	358.3	6.87	7.7... 8.7	1830.87	Σ 3	*White*
1304	H 651	....	25 43	3 44	120±	3±	11 ...15	1820+	H	
1305	Howe 6	....	25 46	− 8 5	205.1	2.20	9.6...10.0	1877.32	Δ 2	
1306	A. G. 41	DM (35°) 500	25 51	35 23	261.0	4.40	9.1... 9.3	1902.57	β 2	
1307	H 1119	....	25 56	69 59	321.4	10±	10–11...13	1828+	H	A and B } "A fourth
					22.0	11±	...14	1828+	H	A and C } at 320°"
1308	H 652	DM (8°) 392	26 9	9 3	320±	2½±	10 ...10+	1820+	H	
1309	Σ 276	DM (5°) 353	26 20	5 48	253.3	2.29	8.8... 8.8	1830.68	Σ 4	
1310	H 653	W^2 II^h. 598	26 26	30 53	43±	17±	9 ...12	1820+	H	*Orange red: blue*
1311	Hu 203	DM (52°) 599	26 29	52 15	69.1	0.70	9.5... 9.5	1900.84	Hu 3	(*A. J.* 494)
1312	A 316	SD (2°) 433	26 36	− 2 17	84.0	0.43	8.4... 9.0	1902.77	A 3	(*Bul. L. O.* No. 29)
1313	A. G. 42	DM (39°) 566	26 48	39 46	143.5	6.18	8.6... 9.1	1902.57	β 2	
1314	A 449	SD (7°) 449	27 15	− 7 24	347.0	3.97	8.9...11.7	1903.80	A 2	(*Bul. L. O.* No. 50)
1315	H 3505	O. Arg. S. 1633	27 32	−18 53	23±	20±	8 ...12	1834+	H	9 m. in O. Arg.
1316	Hn 63	DM (11°) 355	27 53	11 18	289.0	1.17	9.0... 9.4	1888.09	Com. 3	
1317	Σ 277	DM (59°) 519	27 57	59 22	136.5	2.91	7.7...11.0	1831.19	Σ 3	7.7 *wh.*
1318	H 1120	W^2 II^h. 633	27 57	39 8	100.0	15±	7 ...12	1828+	H	A and B } "C est. from dia-
					320±	25±	....	1828+	H	A and C } gram" (See p. 1060)
1319	Σ 280	W^1 II^h. 442	28 8	− 6 10	349.8	3.77	7.5... 7.7	1831.16	Σ 3	*Yel'sh*
1320	Σ 279	L 4752	28 15	36 47	71.2	16.95	6.0...11.0	1831.48	Σ 3	6.0 *very yel.*
1321	Σ 278	A. G. Chris. 462	28 23	68 47	82.0	0.43	8.4... 8.7	1830.77	Σ 4	*White*
1322	H 3506	B. A. C. 790	28 35	−28 45	241.1	5±	6½... 8	1835.87	H	
1323	H 2147	....	28 52	45 32	164.9	10±	10–11...11	1830+	H	
1324	Hd Z	....	29 0	0 37	....	....	8 ...	....	....	
1325	Hu 429	SD (16°) 465	29 23	−16 7	140.9	4.16	8.5...13.0	1902.05	Hu 2	(*Bul. L. O.* No. 21)
1326	Arg. 8	O. Arg. N. 2946	29 29	49 44	....	....	8 ...	....	....	
1327	H 2146	DM (76°) 87	29 30	76 18	82.5	30±	10=10	1830+	H	"Both stars red" (See p. 1060)
1328	Σ 281	*ν Ceti*	29 33	5 4	83.3	7.72	5.0... 9.6	1831.92	Σ 4	*Yel.: ash*
1329	OΣ (App) 28	Rad^1. 746, 747	29 37	62 4	147.0	67.76	6.1... 7.1	1875.53	Δ 4	
1330	H 2148	....	29 38	−13 18	332.2	18±	9–10...10	1830+	H	
1331	Kr 14	A. G. Hels. 2384	29 40	63 13	288.5	11.66	9.3...10.0	1890.77	β 1	
1332	Σ 5, App. 1	30 *Arietis*	30 4	24 8	273.0	38.56	6.1... 7.1	1835.30	Σ 5	*Yel'sh wh.: wh.*
1333	H 2150	....	30 12	−24 49	251.4	9±	12 ...13	1830+	H	
1334	Hu 809	SD (15°) 459	30 13	−15 46	61.0	0.68	9.0...12.0	1902.03	Hu 1	
1335	H 3511	O. Arg. S. 1665	30 30	−21 56	94.3	18±	7½...10	1835.86	H	*Yellow: blue*
1336	H 3512	Cord. DM (25°) 1021	30 45	−25 17	37±	15±	10½...11	1835.88	H	"The *p* of two double stars"
1337	H 2149	....	30 46	51 10	258.0	8±	10 ...12	1830+	H	
1338	β 520	L 4858	30 49	− 4 6	210.2	0.78	9.0...10.5	1877.96	β 1	
1339	H 3515	Cord. DM (25°) 1023	2 30 52	−25 20	110±	20±	10½...11	1835.88	H	"The *f* of two"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1340	β 305	*Persei* 58	$2^h\ 30^m\ 53^s$	37°12′	205°.2	20″.80	7.0...11.2	1875.82	Δ 4	
1341	Σ 282	O. Arg. N. 2973	31 8	65 8	294.0	7.04	8.3... 8.3	1831.59	Σ 3	*White*
1342	Σ 283	DM (60°) 540	31 18	60 58	209.2	1.83	8.0... 8.8	1831.22	Σ 3	*Yel.: asky*
1343	H 5454	....	31 18	6 12	55±	20±	10 ...11	1823+	H	
1344	Cordoba	Cord. DM (26°) 943	31 27	−26 13	....	Cl. I	9½...	....	....	
1345	Σ 284	DM (60°) 541	31 32	60 46	197.7	5.29	8.0...10.0	1830.74	Σ 3	8.0 *yel'sh*
1346	Σ 285	W^2 II^h. 725	31 41	32 54	177.5	1.85	7.0... 7.7	1832.11	Σ 5	*Yel.*
1347	H 2152	W^2 II^h. 731	31 53	19 12	64.3	25±	7 ...14	1830+	H	
1348	H 2153	....	32 6	16 58	352.0	18±	9–10... 9–10	1830+	H	
1349	A 450	A. G. Nico. 539	32 19	− 1 56	219.9	0.39	8.0... 8.5	1903.62	A 3	(*Bul. L. O.* No. 50)
1350	A. G. 43	A. G. Leip. 767	32 20	14 55	58.0	3.48	9.4... 9.4	1895.84	Lp 1	
1351	A 451	SD (6°) 511	32 21	− 6 30	152.1	1.54	8.6... 9.8	1903.81	A 3	(*Bul. L. O.* No. 50)
1352	Σ 288	W^1 II. 530	32 22	−11 54	213.6	11.92	8.0...11.0	1831.20	Σ 3	8.0 *yel.*
1353	Σ 287	L 4903	32 25	14 20	73.9	6.56	7.5... 9.8	1830.86	Σ 3	7.5 *yel.*
1354	β 1315	DM (13°) 422	32 32	13 59	130.7	1.51	8.3... 9.3	1903.75	β 4	A and B }
					56.4	77.44	... 9.3	1903.71	β 3	A and C }
1355	Σ 286	DM (33°) 481	32 34	33 26	251.8	2.71	8.0...10.3	1830.18	Σ 3	8.0 *yel'sh*
1356	OΣ (App) 30	L 4910	32 35	8 24	213.7	68.71	7.4... 9.0	1875.42	Δ 4	
1357	Ho 315	W^1 II^h. 537	32 52	− 2 6	359.2	1.04	8.0... 8.2	1891.92	Ho 2	
1358	H 1121	....	33 8	68 14	242.3	9±	11 ...12	1828+	H	
1359	Σ 290	SD (2°) 462	33 13	− 2 25	219.8	10.24	8.1...10.1	1830.61	Σ 4	8.1 *yel'sh*
1360	Hu 538	DM (52°) 614	33 22	52 22	308.8	0.24	9.0...10.3	1902.03	Hu 3	(*Bul. L. O.* No. 27)
1361	H 2154	....	33 29	42 10	147.0	10±	10 ...12	1830+	H	
1362	H 3518	O. Arg. S. 1715	33 38	−28 41	19.6	10±	8½...12	1835.87	H	A and B }
					299±	12±	...12	1835.87	H	A and C }
1363	A. G. 44	DM (34°) 492	33 39	34 19	287.5	10.12	9.0... 9.1	1902.55	β 2	
1364	Σ 289	33 *Arietis*	33 40	26 33	359.4	28.54	5.8... 8.7	1831.71	Σ 3	5.8 *yel'sh*
1365	OΣ 43	L 4924	33 42	26 6	93.0	0.46	7.2... 8.8	1848.72	OΣ 2	*Wh.: ash*
1366	A. G. 45	DM (7°) 410	33 49	7 22	350±	3±	9.3...10.5	1895.	....	
1367	A. G. 46	DM (39°) 603	33 53	39 45	345.1	37.70	9.0... 9.2	1902.57	β 2	
1368	Lewis 2	....	34 :	26 28:	309.8	0.21	8.5... 9.5	1896.10	L 1	
1369	H 2151	O. Arg. N. 3016	34 1	74 54	135.0	12±	6–7...15	1830+	H	
1370	Hu 539	DM (48°) 737	34 12	48 54	80.7	0.30	8.6... 8.8	1902.00	Hu 3	(*Bul. L. O.* No. 27)
1371	A. G. 47	A. G. Leip. 782	34 12	14 29	311.8	22.55	9.2... 9.5	1895.18	Lp 1	
1372	H 1123	W^2 II^h. 778	34 15	42 17	252.0	15±	9 ... 9	1828+	H	
1373	H 1124	DM (42°) 591	34 23	42 12	152.0	6±	8 ...12	1828+	H	
1374	Σ 291	DM (18°) 337	34 23	18 17	119.0	3.25	7.4... 7.7	1832.18	Σ 6	A and B } AB *wh.*
					121.5	66.25	(12–13)	1825.77	S 1	A and C }
1375	OΣ 44	DM (42°) 598	34 31	42 11	58.6	1.47	7.8... 8.5	1850.24	OΣ 4	
1376	Espin 8	DM (52°) 616	34 33	53 1	42.6	12.77	5 ...14	1899.97	Es 1	
1377	H 328	....	34 37	35 58	255±	8±	10 ...14	1820+	H	
1378	OΣ 45	W^1 II^h. 573	34 39	4 21	295.9	1.61	7.0... 9.2	1847.60	OΣ 3	
1379	H 1122	DM (63°) 354	34 42	63 39	216.1	12±	8–9...10–11	1828+	H	9.0m. in DM
1380	A. G. 48	A. G. Leip. 784	34 44	10 52	215.3	3.52	9.0... 9.2	1893.97	Lp 1	
1381	H 1126	....	34 48	42 17	....	....	....	....	H	
1382	A. G. 49	DM (37°) 604	34 51	38 6	342.8	15.00	9.0... 9.3	1902.69	β 2	
1383	Σ 292	DM (39°) 612	34 54	39 45	210.7	23.11	7.5... 8.2	1831.83	Σ 4	*White*
1384	β 521	*Persei* 67	34 59	47 45	153.7	5.86	6.2...11.2	1878.66	β 2	
1385	H 2155	....	35 1	42 18	321.2	15±	9–10...11	1830+	H	
1386	Σ 295	84 *Ceti*	35 4	− 1 12	334.6	4.85	6.0... 9.2	1831.90	Σ 4	*Yel.: ash*
1387	See 19	Cord. G. C. 2837	35 9	−24 39	323.8	0.57	8 ... 8.6	1897.73	See 1	
1388	Σ 294	DM (36°) 540	35 21	36 38	102.2	7.09	9.2... 9.7	1831.33	Σ 3	
1389	Σ 293	DM (56°) 705	35 31	56 33	57.5	6.61	8.5...11.7	1830.87	Σ 3	
1390	β 522	μ *Arietis*	35 36	19 30	265.8	19.10	6 ...12.5	1878.75	β 1	
1391	Hu 540	DM (51°) 621	35 37	51 27	218.2	3.74	8.5...12.0	1902.00	Hu 3	(*Bul. L. O.* No. 27)
1392	H 1125	....	2 35 39	67 48	223.4	20±	9–10...11	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1393	Σ 296	*θ Persei*	2h 35m 59s	48° 43′	294°6	15′40	4.2...10.0	1832.20	Σ 3	4.2 *yel.*
1394	A 317	SD (2°) 476	36 13	− 2 52	87.4	4.08	9.0...13.9	1902.71	A 2	(*Bul. L. O.* No. 29)
1395	Espin 50	DM (54°) 601	36 18	54 25	26.0	2.3	9.3... 9.4	1901.	Es	(*A. N.* 3784)
1396	Σ 297	O. Arg. N. 3102	36 39	56 3	276.6	15.64	8.0... 8.3	1831.20	Σ 5	A and B } AB *wh.*
					106.8	28.35	...10.6	1830.95	Σ 4	A and C }
1397	H 654	L 5016	36 49	34 37	45±	30±	7 ... 9	1820+	H	
1398	β 306	*Arietis* 107	36 53	25 8	17.3	2.93	6.4...11.0	1870.79	Δ 4	
1399	A 452	SD (7°) 473	36 55	− 7 0	110.8	1.50	8.4... 8.5	1903.75	A 3	(*Bul. L. O.* No. 50)
1400	H 3523	....	37 :	−30 4	94.7	66.3	8 ... 8	1837.01	H	
1401	Σ 299	*γ Ceti*	37 5	2 44	289.2	2.67	3.0... 6.8	1836.74	Σ 2	*Yel'sk: ash.*
1402	Hu 430	DM (20°) 453	37 7	20 28	203.1	0.88	8.5...12.8	1902.01	Hu 3	(*Bul. L. O. No.* 21)
1403	H 1127	....	37 17	69 17	69.5	16±	10–11..11–12	1828+	H	
1404	H 3524	L 5068	37 27	−20 48	133.1	25±	8 ...10	1836.06	H 4	
1405	Σ 300	P IIh. 160	37 29	28 57	299.6	2.91	7.9... 8.1	1832.80	Σ 4	*Very wh.*
1406	Espin 9	DM (52°) 624	37 55	52 39	30.5	2.72	7.5...11	1899.95	Es 3	(*A. N.* 3717)
1407	H 2157	O. Arg. N. 3118	38 24	72 25	286.8	8±	8–9...12	1830+	H	A and B }
					19.5	20±	...11	1830+	H	A and C }
					61.1	25±	...14	1830+	H	A and D }
1408	H 2156	....	38 28	75 32	230.5	16±	9–10...16	1830+	H	
1409	β 261	Lac. 846	38 32	−28 25	102.4	3.10	7.7...10.0	1875.95	Cin 3	
1410	Σ 303	SD (2°) 480	38 35	− 2 28	180.6	5.65	8.5... 9.5	1831.20	Σ 3	*White*
1411	Howe 7	O. Arg. S. 1780	38 45	−28 57	352.4	3.50	8.0... 8.2	1878.44	Cin 2	
1412	Arg. 9	O. Arg. N. 3145	38 46	49 37	144.7	3.08	8.4... 8.4	1901.67	β 2	
1413	....	B. A. C. 854	38 53	−26 0	185.1	11.16	6½... 9	1836.3	H	
1414	A. G. 50	A. G. Bonn 2364	38 59	46 35	3.2	11.74	9.2... 9.7	1901.58	Ku 2	
1415	Σ 301	O. Arg. N. 3148	39 6	53 26	16.6	8.23	7.3... 8.3	1830.85	Σ 3	*Yel'sk: bluish*
1416	A 453	SD (6°) 537	39 18	− 6 0	104.6	0.59	9.1... 9.6	1903.77	A 3	(*Bul. L. O.* No. 50)
1417	Hn 64	DM (1°) 456	39 20	1 3	215.0	4.84	8.2...12.0	1888.29	Com 3	
1418	β 9	L 5107	39 40	35 3	160.6	1.52	6.3... 8.4	1875.94	Δ 6	
1419	Hu 205	DM (49°) 773	39 43	49 34	155.9	1.53	9.2...11.5	1900.88	Hu 3	
1420	β 83	L 5140	40 0	− 5 28	121.3	1.40	7.5...10.1	1876.03	Δ 4	
1421	Σ 302	DM (64°) 351	40 8	64 8	168.0	5.14	8.0...10.7	1832.09	Σ 3	8.0 *yel'sh*
1422	β 307	L 5133	40 29	29 11	315.6	14.97	7.1...11.5	1876.79	Δ 4	
1423	A. G. 51	DM (36°) 559	40 33	37 3	270.2	3.87	9.4... 9.6	1902.70	β 3	
1424	β 262	W² IIh. 944	40 33	30 33	65.7	1.57	8.0...10.0	1876.29	Δ 6	
1425	Hd 58	....	40 36:	−28 25:	341±	25±	8 ...10	1870.	Hd	
1426	Σ 304 *rej*	L 5119	40 40	48 41	....	Cl. IV	8 ...11	....	Σ	
1427	Σ 305	*Arietis* 114	40 41	18 52	330.9	1.59	7.3... 8.2	1830.95	Σ 3	*Yel.*
1428	Espin 120	DM (53°) 576	41 6	53 26	70.3	3.9	8.7...12.5	1902.	Es 1	(*Mon. Not.* LXIII, 178)
1429	H 655	DM (9°) 362	41 7	9 43	315±	25±	8–9...10–11	1820+	H	
1430	H² (No. 763)	....	41 16:	59 53:	150.9	9.14±	7–8...12	1831.08	H	
1431	H² (No. 764)	....	41 22:	59 48:	10±	13.22±	8–9...12	1831.08	H	
1432	Σ 309 *rej.*	W² IIh. 687	41 24	5 22	....	III–IV	9 ... 9–10	....	Σ	
1433	β 1002	O. Arg. S. 1810	41 29	−15 53	333.7	1.78	8.0...11.3	1881.84	β 3	
1434	Espin 51	DM (53°) 578	41 36	53 26	320±	70±	9 ...	1901.	Es	A and B } (*A. N.* 3784)
					280±	3±	10 ...10.2	1901.	Es	B and C }
1435	A. G. 52	A. G. Leip. 1031	41 38	7 3	49.8	19.55	9.6...10.0	1895.19	Lp	
1436	Σ 308	....	41 40	−10 22	334.1	21.11	8.7... 9.2	1830.43	Σ 2	
1437	Hu 206	DM (48°) 765	41 49	48 18	337.2	1.81	7.8...12.0	1900.88	Hu 3	(*A. J.* 494)
1438	Σ 306	L 5135	41 52	59 55	93.4	2.12	7.1... 9.0	1831.71	Σ 4	A and B } 7.1 *yel'sh: wh.*
					156.9	27.48	...11.5	1867.68	Δ 1	A and C }
1439	β 523	DM (33°) 517	41 55	33 28	210.3	2.25	9.0...11.0	1877.85	β 1	
1440	Σ 307	*η Persei*	2 41 56	55 24	300.4	28.42	4.0... 8.5	1836.76	Σ 3	A and B }
					268.3	67.03	....	1878.15	β 1	A and C }
					110±	3±	10.0...10.5	....	....	C and *c* }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1441	β 1316	DM (59°) 553	2^h 42^m 0^s	59°53′	114°9	0″32	8.7... 8.7	1903.88	β 1	A and B
					21.5	10.68	8.0...11.0	1868.63	Δ 3	AB and C
					11.3	20.27	...11.5	1869.62	Δ 2	AB and D
					156.4	123.62	....	1868.63	Δ 3	Σ 306 and A
1442	Ho 217	W^2 II^h. 982	42 0	34 1	276.0	2.02	8.5...10.7	1887.00	Ho 2	
1443	H 2158	DM (75°) 109	42 0	76 2	173.5	12±	8 ...13	1830+	H	"Chief of a group"
1444	Lv 2	O. Arg. S. 1817	42 5	−18 49	24.6	3.08	8.2...11.5	1886.83	Lv 2	
1445	Σ 310	....	42 7	33 26	86.3	2.55	7.7...10.9	1832.09	Σ 5	7.7 *yel'sh*
1446	A. G. 53	DM (36°) 568	42 12	36 51	obl.	....	8.5...	....	....	
1447	....	DM (59°) 555	42 20	60 3	14.8	21.20	9.1... 9.1	1903.94	β 2	A and B
					66.8	12.64	10 ...11.5	1903.94	β 1	C and D
					271.5	11.17	...12.8	1903.95	β 1	A and *a*
					346.6	140.65	....	1903.94	β 1	A and C
1448	Σ 311	π *Arietis*	42 36	16 58	119.3	3.28	4.9... 8.4	1832.32	Σ 5	A and B 4.9 *yel'sh*
					110.1	25.22	...10.2	1832.58	Σ 6	A and C
1449	OΣ 46	L 5205	42 49	30 2	76.2	4.99	7.0...10.2	1852.68	OΣ 4	A and B
					170±	15±	...(19)	1820+	H	A and C
1450	OΣ 47 *rej.*	41 *Arietis*	42 55	26 46	261.6	20.83	4.1...11.2	1871.05	Δ 5	A and B
					203.0	34.45	...11.0	1872.79	Δ 2	A and C
					226.6	127.55	...(9)	1821.95	Sh 1	A and D
1451	A. G. 54	A. G. Leip. 827	43 13	11 39	0.5	30.64	8.9... 9.0	1895.18	Lp 1	
1452	Σ 313	W^1 II^h. 719	43 26	8 27	191.0	5.41	8.7... 9.0	1831.99	Σ 4	
1453	H 2160	....	43 28	47 33	247.5	5±	12 ...13	1830+	H	
1454	Σ 315	L 5253	43 30	−11 3	160.2	2.52	7.5... 8.7	1831.99	Σ 3	*Yel'sh wh.*
1455	....	DM (59°) 559	43 41	59 59	193.7	15.87	8.0...11.9	1903.94	β 2	
1456	A. G. 55	A. G. Leip. 1049	43 53	6 11	50.9	2.48	9.4... 9.6	1901.58	Ku 2	Kustner (3821)
1457	Σ 312	O. Arg. N. 3219	44 11	72 24	13.9	3.59	7.1... 8.0	1832.08	Σ 5	A and B AB *wh.*
					127.0	42.31	... 9.2	1831.75	Σ 2	A and C
1458	H 3533	O. Arg. S. 1842	44 17	−20 45	274.4	45±	8 ... 8½	1835.86	H	
1459	Σ 314	*Persei* 85	44 21	52 30	295.4	1.46	6.9... 7.1	1830.46	Σ 4	*White*
1460	β 10	L 5276	44 23	− 5 29	99.2	2.66	7.2...11.1	1874.82	Δ 4	
1461	H 657	....	44 30	10 50	240±	8±	11 ...13	1820+	H	
1462	β 877	γ *Fornacis*	44 32	−25 3	144.4	11.53	6 ...13	1880.93	β 4	A and B
					157.0	48.85	...11.2	1880.68	β 4	A and C
1463	Σ 316	DM (36°) 581	44 34	36 48	134.3	13.86	8.5... 8.7	1830.02	Σ 3	*White*
1464	H 3535	B. A. C. 883	44 42	−28 26	....	....	6 ...	1834+	H	
1465	Ho 218	W^1 II^h. 751	45 7	2 34	210±	0.4±	7 ... 7	1889.94	Ho 1	
1466	OΣ 48	L 5258	45 11	48 5	316.9	6.77	6.4...10.5	1854.32	OΣ 4	
1467	See 20	τ^a *Eridani*	45 36	−21 30	128.3	51.92	4 ...14.9	1897.75	See 1	
1468	....	τ *Persei*	45 45	52 16	106.4	50.67	5 ...12	1878.46	β 2	A and B
					75.3	4±	...13	1878.15	β 1	B and C
1469	H 1128	....	45 54	69 24	307.3	5±	10 ...15	1828+	H	
1470	β 1293	L 5287	45 56	46 40	352.1	1.72	7.1...10.7	1900.75	β 3	
1471	β 524	20 *Persei*	46 8	37 51	321.4	0.22	6 ... 6.7	1880.53	β 3	A and B AC = Σ 318
					236.8	14.08	5.5...10.0	1829.14	Σ 2	AB and C
1472	Σ 323	W^1 II^h. 774	46 19	5 59	283.2	2.55	8.0... 8.0	1830.00	Σ 3	*Very wh.*
1473	See 21	O. Arg. S. 1861	46 20	−21 47	98.1	0.36	7.5... 7.5	1897.62	See 1	
1474	A. G. 56	A. G. Leip. 851	46 24	10 11	109.4	6.83	9.0... 9.1	1893.97	Lp 1	
1475	Σ 322	DM (35°) 586	46 40	35 33	320.3	5.39	8.5...10.3	1831.14	Σ 3	8.5 *yel'ish wh.*
1476	H 329	DM (31°) 499	46 41	31 13	105±	18±	9 ...14	1820+	H	
1477	H 2162	....	46 52	43 3	36.3	5±	11 = 11	1830+	H	
1478	A. G. 57	A. G. Leip. 854	46 55	11 49	347.8	10.16	9.3...10.5	1895.18	Lp 1	
1479	H 2163	....	46 57	43 4	14.2	3±	13 = 13	1830+	H	
1480	Σ 321	DM (58°) 530	46 58	58 23	19.7	18.42	8.5... 9.0	1830.71	Σ 2	*Yel.: wh.*
1481	A. G. 58	DM (37°) 659	47 5	37 15	obl.?	....	8.2...	....	....	
1482	Σ 317	DM (68°) 209	2 47 8	68 43	87.6	3.24	7.8... 9.5	1831.94	Σ 3	7.8 *yel'sh wh.*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1483	H 658	W^1 II^h. 1261	2^h 47^m 58^s	9°17′	40° ±	15″ ±	10 = 10	1820+	H	
1484	H 659	....	48 10	− 4 40	325±	9±	10 ...11	1820+	H	
1485	Ho 316	L 5362	48 16	27 14	284.4	19.77	7 ...13	1891.95	Ho 2	
1486	Hu 810	DM (34°) 542	48 20	35 3	14.7	1.29	8.5...14.5	1902.75	Hu 1	
1487	Σ 325	DM (33°) 542	48 23	34 0	253.4	11.70	8.2... 9.7	1830.98	Σ 2	*8.2 yel'sh wh.*
1488	Hd 59	....	48 26:	−28 21	101.4	3.29	7 ... 9	1870.02	Hd 1	
1489	Σ 324 *rej.*	Rad^1. 835	48 27	46 41	191.4	12±	8 ...17	1830+	H	A and C
					342.4	8±	...18	1830+	H	A and B
1490	Σ 326	DM (26°) 484	48 31	26 24	216.1	9.03	7.5... 9.7	1831.46	Σ 2	*7.5 very yel.*
1491	Hd 60	....	48 38:	−28 26:	157.8	5±	8½...10	1870.02	Hd 1	
1492	Σ 328	DM (43°) 607	49 48	44 2	299.5	27.06	8.5... 9.0	1832.18	Σ 2	*White*
1493	Σ 320	*Cephei* 47 (Hev.)	50 7	78 57	227.0	4.43	6.3... 9.5	1831.60	Σ 3	*Golden: ash*
1494	Ho 317	W^2 II^h. 1177	50 19	16 45	307.9	2.83	8.1...11.0	1890.00	Ho 3	
1495	Kr 15	A. G. Hels. 2667	50 45	56 24	109.7	3.53	9.0... 9.7	1890.75	β 1	
1496	A. G. 59	A. G. Leip. 881	50 57	13 50	89.5	24.25	8.9... 9.5	1893.97	Lp 1	
1497	Hd 61	....	51 1	−28 29:	345±	22±	8.5...10.5	1880.96	Hd	
1498	Σ 330	*Ceti* 478	51 4	− 1 3	191.1	8.78	7.5... 9.5	1832.67	Σ 4	*Very yel.: bluish*
1499	H 2164	O. Arg. N. 3339	51 21	70 11	320.9	4½	8–9...11	1830+	H	
1500	OΣ (App) 31	Rad^1. 845	51 36	59 11	229.4	73.58	6.7... 7.3	1875.53	Δ 4	
1501	β 1173	*Arietis* 133	51 38	23 39	325.4	0.13	7.7... 7.8	1890.88	β 3	A and B
					283.6	4.63	...13	1890.88	β 3	AB and C
1502	Σ 332	W^1 II^h. 878	51 41	− 0 4	52.9	12.68	8.5... 8.5	1831.43	Σ 2	*White*
1503	Innes 149	....	51 51	−23 52	260.2	7.28	9.9...10.4	1900.10	I 1	
1504	Ho 498	W^2 II^h. 1208	51 55	17 12	180±	1.5±	8.5...12	1890.08	Ho	(*A. N.* 3557)
1505	Σ 329	....	51 56	58 33	271.7	15.94	7.5... 9.0	1830.71	Σ 2	*7.5 wh.*
1506	Ho 219	W^2 II^h. 1203	51 57	34 24	243.8	6.31	8.1...12.2	1890.03	Ho 2	
1507	β 741	Lac. 932	51 58	−25 27	158.2	0.57	7.7... 7.9	1879.69	β 4	A and B
					219.1	27.75	...(9)	1824.95	S 2	AB and C
1508	β 525	B. A. C. 920	52 0	21 8	105.1	0.59	7.0... 7.0	1877.72	β 1	
1509	H 5455	....	52 16:	32 4:	195±	20±	8 ...12	1823+	H	
1510	Σ 331	P II^h. 220	52 18	51 53	85.0	12.19	5.3... 6.7	1828.89	Σ 3	*Yel'sh: bluish*
1511	A 208	SD (2°) 529	52 19	− 2 4	266.4	0.56	8.5...10.0	1902.00	A 2	
1512	Σ 333	*ε Arietis*	52 21	20 52	188.9	0.55	5.7... 6.0	1830.16	Σ 4	*White*
1513	H 3543	Cord. DM (29°) 1096	52 30	−29 28	90±	....	....	1834+	H	
1514	H 660	....	52 36	10 19	....	....	10 ...13	1820+	H	"Very unequal"
1515	Ho 318	DM (16°) 376	52 44	16 34	23.4	2.02	9.1... 9.1	1890.06	Ho 2	(*A. N.* 3233) (See p. 1061)
1516	Ho 13	L 5498	52 45	26 49	163.7	1.82	7 ...12	1883.19	Ho 3	
1517	Σ 334	L 5523	53 1	6 10	322.8	1.59	7.7... 8.2	1830.94	Σ 3	*White*
1518	H 2165	....	53 4	75 19	209.0	25±	10 ...11	1830+	H	Probably DM (75°) 123
1519	H 2167	DM (44°) 612	53 7	44 25	32.0	20±	9 ... 9–10	1830+	H	"Close to neb. II, 239."
1520	Ku 11	DM (33°) 557	53 9	33 10	56.4	3.20	9.4...10.0	1901.56	Ku 2	Kustner (3821)
1521	Σ 327 *rej.*	Rad^1. 839	53 9	81 0	....	Cl. IV	6 ...11	....	Σ	
1522	Σ 319 *rej.*	DM (84°) 53	53 18	84 31	....	Cl. IV	7 ...10	....	Σ	
1523	A 454	SD (6°) 579	53 20	− 6 43	134.3	3.70	9.0... 9.3	1903.80	A 2	(*Bul. L. O.* No. 50)
1524	A 209	SD (3°) 476	53 38	− 3 1	75.8	1.52	8.7... 9.4	1902.00	A 3	
1525	A. G. 60	A. G. Leip. 891	53 43	14 3	160.6	6.59	9.5... 9.9	1901.60	Ku 2	
1526	OΣ 49	P II^h. 230	53 47	17 32	71.1	1.71	7.0...10.0	1846.80	OΣ 3	*7.0 wh.*
1527	A 455	L 5555	53 48	− 9 54	309.8	3.64	8.1...13.5	1903.80	A 3	A and B
					65.3	40±	7 ... 9	1834.93	H 1	A and C
1528	Kr 17	A. G. 2707	53 54	60 22	221.3	3.46	9.0... 9.1	1890.75	β 1	
1529	H 2166	DM (75°) 124	54 4	75 20	251.3	40±	8–9...10	1830+	H	
					191.5	40±	...10	1830+	H	
					142.4	40±	...11	1830+	H	
1530	Σ 336	*Persei* 104	54 8	31 56	8.5	8.20	6.5... 8.0	1831.17	Σ 3	*Yel.: bluish*
1531	H 1129	DM (69°) 194	54 12	69 45	170.0	50±	9 ... 9	1828+	H	
1532	Hu 431	DM (21°) 399	2 54 13	21 10	192.6	0.96	9.4... 9.7	1901.99	Hu 3	(*Bul. L. O.* No. 21)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1533	Hu 811	SD (16°) 538	$2^h\ 54^m\ 24^s$	−16° 19′	220°.3	2″.02	7.5...11.0	1902.03	Hu 1	
1534	Σ 337	DM (40°) 651	54 29	40 55	163.4	17.76	7.5... 9.0	1832.18	Σ 2	7.5 *yel'sh*
1535	Σ 335	DM (63°) 387	54 42	63 17	158.5	24.38	8.0... 8.5	1831.52	Σ 2	*White*
1536	Ku 12	DM (45°) 695	55 7	45 24	144.8	2.83	9.7...10.1	1901.07	Ku 2	Kustner (3821)
1537	Σ 338	....	55 18	10 23	200.3	20.14	8.2... 8.5	1831.96	Σ 3	*White*
1538	Hu 541	DM (48°) 838	55 21	48 20	343.1	1.47	9.0...12.0	1902.73	Hu 2	(*Bul. L. O.* No. 27)
1539	H 2169	DM (51°) 670	55 25	52 3	130.6	8±	10 = 10	1830+	H	
1540	H 3546	SD (18°) 513	55 40	−18 22	82.3	8±	9 ...12	1835.86	H	"A 7½ m. star 3′ *n p*" (See p. 1061)
1541	Hd 62	DM (3°) 418	55 42	3 19	120±	40±	9.5... 9.8	1868.96	Hd	
1542	H 1130	....	55 48	67 13	220±	7±	10–11...11	1828+	H	"Angle est. from diagram"
1543	Hu 542	DM (49°) 835	56 3	49 42	310.3	2.10	8.9...12.0	1902.73	Hu 2	(*Bul. L. O.* No. 27)
1544	H 2170	γ *Persei*	56 6	53 2	224.9	60±	4–5...13	1830+	H	
1545	H 1131	....	56 15	67 16	106.0	18±	9 ...10	1828+	H	
1546	H 2168	....	56 30	70 58	294.1	12±	10 ...11	1830+	H	"A *very red*"
1547	Kr 18	A. G. Hels. 2735	56 30	57 16	273.9	1.18	9.2... 9.3	1890.75	β 1	
1548	Σ 339	....	56 48	28 2	327.2	13.42	8.2...11.5	1831.77	Σ 3	8.2 *yel'sh*
1549	β 11	ρ^2 *Eridani*	56 49	− 8 9	87.2	2.72	5.4... 9.6	1875.64	Δ 5	
1550	Σ 341	$W^1\ II^h$. 981	56 57	− 2 23	229.4	8.62	7.7... 9.7	1831.43	Σ 2	7.7 *yel.*
1551	H 2171	....	57 21	42 26	342.2	2±	11 ...12	1830+	H	
1552	Hu 812	DM (34°) 567	57 30	34 19	199.4	1.11	8.0...12.0	1902.77	Hu 1	
1553	Arg. 10	O. Arg. N. 3418	57 34	52 35	90.1	4.14	9.0... 9.0	1901.84	β 2	
1554	β 1174	L 5683	57 46	−11 27	305.9	1.22	7.7...11.3	1890.82	β 3	
1555	β 1175	L 5636	57 49	43 14	280.9	0.26	7.3... 8.7	1890.68	β 3	
1556	Σ 342	DM (27°) 474	57 57	27 27	306.6	3.07	8.3... 8.8	1832.02	Σ 3	*White*
1557	Lewis 3	....	58 :	24 46:	166.6	1.93	....	1901.91	L 1	
1558	H 3548	L 5706	58 21	−21 50	122.2	12±	7 ...12	1835.86	H	
1559	Σ 346	52 *Arietis*	58 24	24 47	264.5	0.73	6.0... 6.0	1832.01	Σ 3	A and B } AB *very wh.*
					357.2	5.21	...10.8	1832.36	Σ 3	AB and C
1560	Σ 348 *rej.*	$W^1\ II^h$. 1015	58 50	6 45	....	Cl. IV	8–9...10	....	Σ	From *Cat. Nov.*
1561	H 5456	....	59 8:	31 25:	300±	14±	9 ...11	1823+	H	
1562	A 456	SD (9°) 585	59 25	− 9 25	42.0	4.22	8.5...10	1903.81	A 2	(*Bul. L. O.* No. 50)
1563	Σ 350	....	59 46	20 11	118.7	16.63	8.0... 9.7	1831.36	Σ 2	8.0 *yel'sh*
1564	A. G. 61	DM (20°) 507	3 0 0	20 24	26.0	0.74	8.8... 9.5	1901.83	Hu 2	
1565	β 526	β *Persei* (Algol)	0 22	40 30	155.3	59.06	Var...12.7	1878.81	β 3	A and B
					144.8	68.07	...12.5	1878.81	β 3	A and C
					192.6	81.91	...10.5	1879.30	β 4	A and D
					116.2	10.80	...12.5	1878.81	β 3	D and E
1566	Ho 499	DM (35°) 628	0 27	35 29	236.0	1.56	8.2...12	1895.97	Ho 2	(*A. N.* 3557) (See p. 1061)
1567	β 527	$W^1\ II^h$. 1050	0 23	−13 54	60.4	0.85	8.0... 8.5	1877.83	β 1	
1568	OΣ 50	Rad^1. 876	0 45	71 6	232.5	0.88	7.5... 7.5	1847.22	OΣ 2	A and B
					306.6	20±	...(14)	1830+	H	A and C
1569	A. G. 62	DM (38°) 645	0 45	38 42	204.6	10.45	9.4... 9.4	1902.63	β 2	A and B
					215.3	23.61	...10.6	1902.63	β 2	A and C
1570	Σ 349	....	0 45	63 20	319.8	6.14	7.4... 8.1	1832.10	Σ 4	
1571	Σ 353 *rej.*	DM (17°) 494	0 47	17 25	58.6	10.66	9.6...11.0	1901.76	β 2	
1572	Σ 355	$W^1\ II^h$. 1056	0 54	7 56	148.7	2.75	8.7... 9.5	1832.52	Σ 5	
1573	Σ 356	SD (13°) 592	1 0	−13 47	12.2	15.91	7.7...10.8	1831.91	Σ 3	7.7 *yel'sh*
1574	Σ 351	$W^2\ II^h$. 1416	1 2	43 47	119.6	27.29	8.5... 9.0	1832.13	Σ 2	*White*
1575	Σ 354 *rej.*	DM (24°) 438	1 4	24 7	....	Cl. IV	8 ... 9	....	Σ	
1576	Σ 345	O. Arg. N. 3439	1 7	78 3	79.6	6.51	8.0... 9.8	1831.93	Σ 3	*Yel.: ash*
1577	Σ 352	DM (34°) 585	1 14	35 0	6.8	3.50	8.2...10.3	1831.52	Σ 3	8.2 *wh.*
1578	H 351	....	1 14	30 33	290±	15±	11 ...12	1820+	H	
1579	H 2173	Rad^1. 882	2 17	73 25	164.3	25±	6–7...12	1830+	H	"Large star *very ruddy*"
1580	β 528	$W^1\ II^h$. 1086	2 25	− 4 3	197.5	1.01	8.5...8.5	1877.97	β 2	
1581	Σ 357	SD (13°) 596	2 33	−13 3	294.7	7.88	8.5...10.3	1833.05	Σ 3	
1582	Σ 358	$W^1\ II^h$. 1091	3 2 44	− 4 9	349.3	15.22	8.5...11.3	1833.06	Σ 3	8.5 *wh.*

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1583	Σ 6, App. I	*Ceti* 499	3^h $2^m 47^s$	7° 0′	162°6	80″98	7.0... 7.0	1835.59	Σ 3	*White*
1584	β 1030	W^2 III^h. 5	3 12	21 17	164.6	0.58	8.4... 8.4	1888.83	β 3	
1585	H 661	....	3 31	6 32	315±	4±	10 ...13	1820+	H	
1586	H 1132	DM (66°) 249	3 48	66 33	20.0	8±	9–10...10	1828+	H	"Neat"
1587	H 2174	SD (9°) 601	3 51	− 9 3	199.5	15±	9–10...10	1830+	H	
1588	Glasenapp 1	DM (14°) 525	4 8	14 40	267.2	4.02	9.3... 9.4	1893.00	Gla 2	
1589	H 3551	....	4 15	−14 26	134.6	15±	9 ...10	1835.89	H	
1590	H V. 117	DM (21°) 418	4 17	21 58	317.5	34.80	....	1783.65	H 1	
1591	Ho 500	DM (35°) 643	4 19	35 38	35.7	0.46	8.5... 9	1896.95	Ho 1	(*A. N.* 3557) (See p. 1061)
1592	Σ 344	DM (84°) 61	4 23	84 13	145.0	2.53	8.9... 9.7	1833.23	Σ 4	
1593	Hu 605	SD (14°) 610	4 31	−14 19	64.2	2.58	9.0...11.5	1901.92	Hu 3	
1594	Σ 360	DM (36°) 650	4 32	36 46	146.4	1.34	7.8... 8.0	1831.20	Σ 3	*Yel'sh*
1595	Σ 343	Redhill 458	4 38	83 37	325.4	22.66	8.0... 8.8	1832.59	Σ 3	*Yel'sh*
1596	Σ 361	W^2 III^h. 43	4 42	36 33	12.5	9.90	8.3...11.0	1830.73	Σ 3	
1597	Ho 501	W^2 III^h. 49	4 52	34 32	205.8	7.75	8 ...12	1896.98	Ho 2	
1598	OΣ 51	Rad^1. 894	4 53	43 50	300.0	1.40	7.9... 8.1	1848.83	OΣ 4	*White*
1599	O. Stone 6	....	4 57	−23 11	357.4	3.77	10 ...10	1875.95	Cin 1	
1600	H 2175	DM (54°) 652	5 7	54 18	26.4	12±	9–10...10	1830+	H	
1601	β 1176	*Cephei* 48 (Hev.)	5 9	77 17	277.6	1.18	5.7...12.5	1890.65	β 3	A and B
					227.9	10.95	...13.3	1890.63	β 2	A and C
1602	β 400	*Eridani* 103	5 18	− 4 16	53.1	22.19	6.4...12.0	1879.01	β 3	
1603	Hu 543	DM (49°) 877	5 33	49 56	120.8	0.47	8.5...12.5	1902.70	Hu 3	(*Bul. L. O.* No. 27)
1604	H 3244	....	5 34	18 26	92.7	7±	11 ...11–12	1831+	H	
1605	Σ 364	W^2 III^h. 72	5 49	38 42	310.5	11.41	8.5... 8.5	1829.99	Σ 2	*White*
1606	A. G. 63	DM (36°) 660	6 7	37 5	128.9	5.28	9.4... 9.6	1902.63	β 2	
1607	Espin 11	DM (56°) 798	6 37	56 41	65.7	10.85	5.5...13.7	1899.95	Es 1	(*A. N.* 3717) (See p. 1061)
1608	H 663	94 *Ceti*	6 39	− 1 39	255±	6±	5 ...19	1820+	H	
1609	H 3554	L 5959	6 42	− 3 22	348.3	18±	8½...11	1836.8	H	
1610	Σ 362	O. Arg. N. 3583	6 43	59 35	142.3	6.91	7.7... 8.0	1831.54	Σ 3	A and B
					42.2	26.00	...10.3	1893.01	Gla 1	A and C
					241.7	35.27	... 9.7	1866.15	Δ 3	A and D
1611	Σ 365 *rej.*	SD (4°) 548	6 50	− 4 41	....	Cl. II	8–9... 9	....	Σ	
1612	H 3555	12 *Eridani*	6 58	−29 28	306.1	3±	4 ... 7	1834+	H	*Yel'sh wh.: green*
1613	H 662	....	6 59	35 27	195±	15±	10 ...11	1820+	H	
1614	OΣ 52	B. A. C. 990	7 2	65 13	153.4	0.50	6.4... 7.0	1846.85	OΣ 4	
1615	Ku 13	DM (44°) 646	7 7	44 25	61.4	5.27	9.7... 9.9	1901.59	Ku 2	Kustner (3821)
1616	Hu 544	DM (50°) 725	7 14	50 30	97.7	0.60	6.5... 8.8	1902.66	Hu 3	(*Bul. L. O.* No. 27)
1617	β 530	*Arietis* 161	7 18	22 30	41.5	48.88	7.0...	1879.21	β 4	A and B
					195.8	1.77	9.7...10.4	1879.21	β 4	B and C
1618	H 2176	....	7 24	75 5	67.2	7±	9–10...13	1830+	H	
1619	Ho 502	W^2 III^h. 111	7 26	35 17	15.9	0.54	8.5... 9	1894.96	Ho 1	(*A. N.* 3557) (See p. 1061)
1620	H 2178	....	7 28	20 31	211.8	15±	10–11...11	1830+	H	
1621	See 22	Cord. DM (30°) 1227	7 36	−30 30	338.7	0.95	8 ... 9.7	1897.72	See 1	
1622	A. G. 64	DM (38°) 677	7 49	38 14	246.5	8.76	9.4... 9.5	1902.63	β 2	
1623	Σ 367	DM (0°) 542	7 52	0 18	101.4	0.95	8.0... 8.0	1831.72	Σ 3	*Yel'sh: wh.*
1624	β 529	L 6006	8 9	− 9 1	220.0	2.40	8.0...12.0	1877.89	β 2	
1625	Weymouth	....	8 12	37 38	262.0	0.81	10 ...10.5	1902.68	A 1	
1626	H 332	W^2 III^h 139	8 22	32 25	110±	15–20	7 ...20	1820+	H	
1627	Ho 503	L 5984	8 30	34 15	99.2	30.83	6.5...12	1896.50	Ho 3	(*A. N.* 3557) (See p. 1061)
1628	H 1133	Rad^1. 909	8 35	69 19	199.7	20±	6 ...12	1828+	H	
1629	Σ 363	DM (77°) 117	8 45	78 5	312.8	26.23	8.5... 8.7	1831.45	Σ 3	*White*
1630	Σ 370	DM (32°) 594	9 11	32 12	311.8	17.06	8.2...10.3	1830.27	Σ 3	8.2 *yel.*
1631	H 3557	L 6037	9 12	−14 53	9.9	20±	7½...12	1835.9	H	
1632	H 3558	SD (14°) 628	9 19	−14 28	150±	12±	10 ...10	1836.9	H	
1633	Σ 369	W^2 III^h. 157	9 21	40 2	28.8	3.25	6.5... 7.8	1829.55	Σ 3	*Yel'sh wh.: bluish wh.*
1634	H 2182	....	3 9 29	5 20	93.5	15±	10 ...12	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1635	H 2180	....	3^h 9^{m}30^s	51°30′	225°8	15′±	10 ...11	1830+	H	
1636	H 2181	....	9 31	18 44	82.6	15±	10 = 10	1830+	H	
1637	H 2183	....	9 38	− 9 49	203.5	6±	10 ...11	1830+	H	
1638	Hu 545	DM (48°) 879	9 43	48 49	80.4	3.56	8.5... 9.3	1902.70	Hu 3	(*Bul. L. O.* No. 27)
1639	OΣ 53	L 6020	9 59	38 12	273.1	0.68	7.2... 8.0	1845.49	OΣ 2	*White*
1640	β 84	W^1 III^h. 147	10 5	− 6 22	10.3	0.44	7.2... 7.4	1875.85	Δ 5	
1641	Σ 371	L 6023	10 23	46 35	74.7	3.35	8.3...10.3	1831.20	Σ 3	*Yel.*
1642	Σ 368	DM (67°) 259	10 30	68 4	342.1	2.33	8.5... 8.5	1831.79	Σ 4	*White*
1643	H 1134	....	10 55	27 56	51.8	4±	11 ...13	1828+	H	
1644	β 1039	L 6084	11 0	7 13	209.4	1.87	7.0...13.0	1889.00	β 3	
1645	H 2179	....	11 2	74 53	341.2	18±	10 ...10+	1830+	H	
1646	Σ 372	DM (45°) 738	11 4	45 31	290.4	7.35	9.3...10.2	1830.86	Σ 3	
1647	H 3561	SD (20°) 610	11 15	−20 23	135.3	12±	8½...12	1835.9	H	
1648	H 3563	Cord. DM (23°) 1306	11 52	−23 28	246.5	7±	8½... 8½	1835.9	H	
1649	Hu 432	SD (14°) 639	12 7	−14 33	46.2	0.16	9.2... 9.2	1901.87	Hu 2	(*Bul. L. O.* No. 21)
1650	A. Clark 2	95 *Ceti*	12 12	− 1 22	73.1	0.7±	6 ...10	1854.81	Da 3	
1651	Hu 19	SD (11°) 632	12 14	−11 0	300.3	3.29	8.6...11.1	1899.98	Hu 4	(*A. J.* 480)
1652	Σ 373 *rej.*	L 6045	12 15	62 18	117.3	19.79	7.0... 9.3	1875.67	Δ 3	A and B }
					110.0	117.68	... 7.1	1875.67	Δ 3	A and C }
1653	A 457	SD (6°) 644	12 18	− 6 51	107.5	0.77	9.1... 9.2	1903.77	A 3	(*Bul. L. O.* No. 50)
1654	H 2184	....	12 21	53 19	44.3	10±	10 ...11	1830+	H	
1655	β 1294	DM (46°) 734	12 24	46 15	227.8	6.24	8.8... 8.9	1901.69	β 3	
1656	Innes 341	O. Arg. S. 2179	12 28	−19 31	163.0	3.86	....	1901.08	I 2	
1657	β 1177	DM (−1°) 473	12 45	− 1 28	24.7	0.38	9.1... 9.1	1890.82	β 3	
1658	Hu 433	DM (21°) 439	12 59	21 17	47.7	0.50	9.1...10.8	1901.99	Hu 3	(*Bul. L. O.* No. 21)
1659	See 23	15 *Eridani*	13 4	−22 57	289.9	0.30	4.7... 7.3	1897.73	See 1	
1660	Σ 374	O. Arg. N. 3669	13 11	67 2	294.7	10.78	7.0... 8.5	1831.30	Σ 2	*Wh.: ash*
1661	H 3565	*Eridani* 129	13 12	−19 0	110.4	5.8	5 ... 9	1835.8	H	
1662	Ho 319	W^2 III^h. 237	13 18	44 57	45.4	11.94	8 ...12.3	1892.48	Ho 3	(*A. N.* 3233)
1663	Σ 375	L 6127	13 19	23 15	317.5	2.03	8.0...10.1	1832.97	Σ 4	8.0 *wh.* (See p. 1061)
1664	Σ 376	W^2 III^h. 258	13 28	19 18	251.2	6.78	7.9... 8.0	1830.81	Σ 5	*Very white*
1665	H 2185	....	13 29	55 31	257.0	4½±	11 ...12	1830±	H	
1666	A. G. 65	DM (32°) 608	13 30	32 47	....	....	7.8...	....	....	
1667	A 458	SD (6°) 652	13 40	− 6 24	100.6	1.30	9.0...11.2	1903.72	A 3	(*Bul. L. O.* No. 50)
1668	Σ 377	DM (18°) 461	13 43	18 45	115.4	0.82	8.3... 8.7	1831.66	Σ 3	A and B } AB *wh.*
					223.3	25.55	...11.5	1829.90	Σ 1	AB and C }
1669	Espin 52	DM (60°) 673	13 48	60 19	285.7	6.1	8.6...12.0	1901	Es	(*A. N.* 3784)
1670	A. G. 66	DM (21°) 442	13 50	21 13	285.3	3.82	9 ...11	1902.70	M 3	(See p. 1061)
1671	H 3245	....	13 56	17 10	96.8	5±	11 ...13	1831+	H	
1672	H 3246	DM (17°) 534	13 58	17 14	173.1	14±	9–10...13	1831+	H	
1673	Jacob 1	τ^4 *Eridani*	14 12	−22 12	287.0	5.47	4½...10.7	1857.95	J 2	A and B }
					99.3	39.97	...10.5	1877.81	β 1	A and C }
1674	Hu 434	DM (21°) 443	14 39	21 20	157.0	0.22	9.0... 9.5	1901.96	Hu 4	(*Bul. L. O.* No. 21)
1675	H 3567	....	14 41	−14 26	100±	3±	10½...12	1836.9	H	
1676	Ho 320	W^1 III^h. 235	14 41	0 44	167.5	1.17	8.0...10.5	1890.13	Ho 2	
1677	Σ 378	DM (57°) 721	15 0	58 0	313.2	18.59	8.2... 9.5	1830.72	Σ 2	
1678	Σ 380	DM (8°) 500	15 17	8 20	90.1	1.20	8.3... 9.3	1831.62	Σ 3	
1679	Σ 379	W^2 III^h. 293	15 31	29 23	102.7	10.13	8.5... 8.5	1830.05	Σ 3	*White*
1680	Espin 53	DM (59°) 650	15 42	59 7	....	2.5±	9.3... 9.8	1901	Es	(*A. N.* 3784)
1681	Hu 20	SD (11°) 646	15 47	−11 39	227.3	0.35	8.6... 8.8	1900.05	Hu 2	(*A. J.* 480)
1682	H 3570	L 6252	16 18	−20 45	....	....	6 ...	1835.9	H	
1683	Σ 381	P. III^h. 46	16 24	20 33	91.0	0.82	7.0... 8.7	1830.16	Σ 4	7.0 *yel.*
1684	H 3569	W^1 III^h. 265	16 27	−13 42	210.5	18±	9½...11	1836.8	H	
1685	Ku 14	DM (29°) 557	16 58	29 51	163.4	3.66	9.4... 9.8	1901.44	Ku 2	Kustner (3821)
1686	Σ 382	*Persei* 146	16 59	33 7	154.5	3.55	7.0...10.5	1831.70	Σ 3	7.0 *yel'sh*
1687	β 742	....	3 17 :	48 50	....	....	....	....	....	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1688	Ħ III. 91	....	3^h 17^m : ^{s}	28° 0′:	102°.4	11″.28	....	1783.66	Ħ 1	
1689	β 1178	*Tauri* 7	17 20	4 27	347.8	0.99	6.6...12.3	1890.89	β 3	
1690	Ho 321	L 6233	17 23	45 5	35.6	1.48	7.5...10	1893.17	Ho 1	(See p. 1062) (*A. N.* 3233)
1691	Σ 383	W^2 III^h. 337	17 25	17 8	120.1	5.69	8.0... 9.0	1830.35	Σ 4	*Yel'sh wh.: wh.*
1692	β 531	L 6275	17 26	− 8 13	60.1	2.43	6.7...12.3	1877.92	β 2	
1693	H 2187	W^1 III^h. 280	17 32	−11 47	239.5	50±	9 ...12	1830+	H	
1694	H 2188	W^1 III^h. 282	17 36	−10 40	47.6	18±	9 ...10	1830+	H	*Yellow: blue*
1695	Ho 322	DM (45°) 764	17 46	45 10	116.5	1.27	9.0... 9.5	1893.28	Ho 1	(*A. N.* 3233) (See p. 1062)
1696	Σ 387 *rej.*	....	17 47:	−11 38:	....	Cl. IV	8 ...10	....	....	
1697	H 2186	....	18 38	52 7	338.3	3±	12 ...13	1830+	H	
1698	Σ 384	DM (59°) 658	18 46	59 29	267.5	1.99	7.8... 9.0	1830.57	Σ 3	*Golden: blue*
1699	β 12	L 6313	18 47	−14 25	271.8	2.35	7.5...10.4	1875.40	Δ 4	
1700	H 3572	O. Arg. S. 2248	18 52	−26 39	274.3	20±	8=8	1835.9	H	B = O. Arg. S. 2247
1701	Σ 386	DM (54°) 682	18 55	54 45	58.8	2.52	8.8... 8.8	1830.58	Σ 3	*White*
1702	Schj. 2	L 6327	19 19	− 1 35	183.4	17.20	8.0... 9.0	1879.66	Cin 1	
1703	Σ 385	B. A. C. 1058	19 20	59 31	161.4	2.36	4.7... 9.0	1829.94	Σ 3	4.7 *wh.*
1704	Holmes	....	20 :	59 30	49.9	5.40	8.6...10.0	1901.62	Es 3	
1705	Σ 388	DM (49°) 941	20 1	50 1	210.0	2.92	8.2... 9.2	1831.85	Σ 3	*White*
1706	Hu 21	SD (13°) 645	20 11	−13 29	41.1	1.46	8.5... 9.3	1900.11	Hu 3	(*A. J.* 480)
1707	Σ 393	DM (−1°) 495	20 11	− 1 27	259.8	16.00	8.0...10.7	1834.55	Σ 2	8.0 *yel'sh wh.*
1708	Σ 389	DM (58°) 608	20 31	58 57	61.8	2.80	7.0... 8.0	1831.00	Σ 4	*Wh.: purplish*
1709	β 1179	34 *Persei*	20 47	49 6	163.4	0.68	5.9...11.6	1890.64	β 4	
1710	OΣ 54	L 6276	20 50	67 10	354.5	25.82	7.2... 8.5	1850.08	OΣ 4	
1711	Σ 390	*Camelop.* 4 (Hev.)	20 51	55 2	159.6	15.03	4.8... 9.2	1832.04	Σ 6	4.8 *greenish wh.*
1712	H 3574	....	20 57	−21 56	95±	....	....	1835.9	H	
1713	Σ 391	W^2 III^h. 397	21 0	44 38	94.8	3.79	7.3... 8.0	1831.55	Σ 3	*Wh.: purplish*
1714	A. G. 67	DM (39°) 790	21 3	39 46	348.7	23.27	7.6...10.0	1902.63	β 2	
1715	OΣ 55	L 6336	21 4	46 31	292.1	26.15	6.2...11.0	1867.59	Δ 3	6.2 *white*
1716	Σ 394	W^2 III^h. 412	21 6	20 3	163.3	6.69	7.0... 8.0	1828.74	Σ 3	*Yel'sh: bluish*
1717	Espin —	DM (49°) 946	21 10	49 36	296.7	19.42	9.1... 9.3	1900.11	Es 2	(*A. N.* 3717)
1718	Σ 392	DM (52°) 699	21 23	52 29	346.4	25.87	7.5... 9.7	1831.23	Σ 2	7.5 *yel.*
1719	Σ 395	W^2 III^h. 414	21 26	28 39	106.4	1.92	8.5...10.0	1832.36	Σ 3	8.5 *yel'sh wh.*
1720	β 878	66 *Arietis*	21 28	22 23	78.0	1.10	6.0...12.2	1881.06	β 2	
1721	Kr 20	A. G. Hels. 3028	21 41	55 32	295.9	7.44	9.5... 9.7	1890.77	β 1	
1722	See 25	Lac. 1102	21 44	−28 59	18.0	9.94	6.5...11.8	1897.73	See 2	
1723	Hn 8	DM (49°) 950	21 57	49 22	176.7	1.90	8.4... 8.8	1881.60	β 3	
1724	β 879	B. A. C. 1076	22 3	10 58	71.1	24.65	6.5...12.5	1878.98	β 3	
1725	β 1180	L 6417	22 23	− 4 59	24.8	0.44	8.3... 9.3	1890.82	β 3	A and B
					117.9	7.13	...11.5	1890.82	β 3	A and C
1726	Hu 435	DM (20°) 574	22 32	20 42	334.2	0.51	8.8...12.0	1901.93	Hu 3	(*Bul. L. O.* No. 21)
1727	H 2189	....	22 48	76 21	345.6	9±	11 ...14	1830+	H	
1728	H 3247	....	23 1	16 40	196.0	3±	12 ...12–13	1831+	H	
1729	OΣ 56 *rej.*	P III^h. 66	23 6	47 27	352.2	22.81	6.5...10.0	1867.69	Δ 3	6.5 *white*
1730	Ħ IV. 89	L 6436	23 35	19 41	152.0	20.05	....	1783.73	Ħ 1	
1731	Σ 7, App. I	W^2 III.^{h} 456, 459	23 48	27 19	233.0	44.04	6.9... 7.4	1836.09	Σ 6	*Very white*
1732	Σ 396	O. Arg. N. 3863	23 55	58 22	241.8	20.37	6.3... 8.0	1829.57	Σ 3	*White*
1733	Σ 401	W^2 III^h. 466	24 5	27 10	270.0	11.12	6.5... 7.0	1830.96	Σ 4	*White*
1734	Espin 121	DM (57°) 729	24 6	57 51	325.5	6.9	8.0...13.5	1902.	Es 2	(*M. N.* LXIII, 172) (See p. 1062)
1735	Σ 397	DM (59°) 671	24 8	60 10	42.6	5.12	8.7...10.5	1829.57	Σ 3	
1736	Hu 101	DM (51°) 746	24 13	51 35	247.3	0.74	9.4... 9.5	1900.20	Hu 2	(*A. J.* 485)
1737	Σ 407	L 6490	24 16	−11 33	39.0	2.33	8.2...10.7	1833.00	Σ 3	8.2 *yel.*
1738	Σ 403	W^2 III^h. 471	24 19	19 22	181.7	2.91	8.5... 8.5	1829.76	Σ 3	*White*
1739	Σ 404 *rej.*	DM (21°) 473	24 21	21 23	202.3	28.56	9.1...10.6	1903.80	β 2	A and B
1740	Σ 405 *rej.*	DM (21°) 474	24 28	21 23	55.9	26.08	8.9...11.2	1903.80	β 2	C and D
					47.5	122.65	....	1903.80	β 2	A and C
1741	H 1136	....	3 24 26	69 47	220.3	8±	10–11=10–11	1828+	H	"Neat"

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1742	Σ 406	DM (4°) 544	$3^h 24^m 28^s$	4°45′	124°.1	9″.36	7.0... 9.0	1836.92	Σ 3	*7.0 white*
1743	Σ 408	SD (4°) 609	24 42	− 4 41	347.5	1.37	8.0... 8.2	1831.97	Σ 3	*White*
1744	Σ 398	....	24 43	57 53	330.9	9.93	10.3...10.3	1829.57	Σ 3	
1745	H 2190	....	24 52	72 11	320.0	7±	13 ...14	1830+	H	"Close to neb. III, 694"
1746	H 2194	DM (1°) 611	25 11	1 7	127.5	22±	10 ...10–11	1830+	H	
1747	Σ 400	DM (59°) 675	25 12	59 38	282.6	1.53	7.0... 8.0	1829.94	Σ 3	*Yel'sh wh.: bluish wh.*
1748	Hn 65	SD (6°) 692	25 24	− 6 6	3.8	3.87	9.4... 9.8	1888.08	Com 2	
1749	H 2192	DM (53°) 678	25 27	53 10	210.8	18±	9–10...11	1830+	H	
1750	A. G. 68	A. G. Leip. 1035	25 37	11 8	248.5	18.27	7.5... 9.5	1895.18	Lp 1	
1751	β 787	L 6473	25 49	48 13	228.5	2.05	8.0...12.0	1881.69	β 3	
1752	Σ 402 *rej.*	L 6435	25 40	62 53	....	Cl. IV	8 ...10	....	....	From *Cat. Nov.*
1753	Ħ IV. 44	....	25 42:	11 0	....	....	....	....	....	
1754	Ho 14	W^2 III^h. 506	25 57	27 52	21.1	1.82	8.2... 8.7	1883.50	Ho 2	
1755	OΣ 57	L 6516–7	26 20	22 58	318.4	10.01	7.5...11.0	1854.08	OΣ 4	A and B } AC *yel.:*
					35.0	71.39	... 7.0	1854.08	OΣ 4	A and C } *bluish*
1756	Σ 411 *rej.*	SD (7°) 618	26 22	− 7 30	90.0	18±	8–9...10	1830+	H	A and B
					26.8	25±	...16	1830+	H	A and C
1757	H 334	DM (31°) 614	26 28	31 41	140±	8±	9 ...12	1820+	H	
1758	A. G. 69	A. G. Alb. 1020	26 57	3 44	353.7	6.09	9.0... 9.5	1903.11	Cg 3	
1759	β 788	DM (42°) 786	27 9	42 11	306.2	2.78	8.3...10.5	1881.69	β 4	A and B
					82.2	34.44	... 8.8	1881.69	β 4	A and C
1760	See 26	Lac. 1128	27 16	−25 1	180±	0.17±	6 ... 6	1897.75	See	
1761	Σ 412	7 *Tauri*	27 20	24 4	269.9	0.69	6.6... 6.7	1830.38	Σ 5	A and B } AB
					63.0	22.41	...10.0	1830.92	Σ 4	AB and C } *yel'sh*
1762	β 532	L 6585	27 25	−10 27	266.7	3.05	7.7...12.5	1877.29	β 3	
1763	Σ 417 *rej.*	SD (3°) 572	27 27	− 2 57	....	Cl. IV	8 ... 9	....	Σ	
1764	Σ 410	W^2 III^h. 534	27 32	31 37	208.8	5.42	7.8...11.8	1831.52	Σ 3	7.8 *yel'sh*
1765	See 27	O. Arg. S. 2344	27 32	−19 40	351.1	0.34	8.2... 8.8	1897.83	See 1	
1766	Σ 414	L 6568	27 33	19 24	185.6	7.09	8.0... 8.0	1829.76	Σ 3	*White*
1767	H 2191	....	27 37	78 18	313.6	18±	10 ...10+	1830+	H	
1768	H 2193	....	27 38	72 55	250.8	8±	11 = 11	1830+	H	
1769	Hu 207	SD (13°) 681	27 45	−13 25	311.2	0.89	8.5... 9.5	1900.10	Hu 2	(*A. J.* 494)
1770	Σ 413	W^2 III^h. 547	27 55	33 17	130.3	2.47	8.5... 8.5	1831.51	Σ 3	*White*
1771	Σ 416 *rej.*	DM (19°) 556	28 2	19 24	44.7	25±	9 ...10	1830+	H	*Red: blue*
1772	Σ 415	W^2 III^h. 563	28 7	26 27	51.0	15.09	8.3...10.0	1830.57	Σ 3	8.3 *yel.*
1773	Hu 102	DM (48°) 959	28 8	48 16	61.3	3.06	9.1...10.5	1900.20	Hu 2	(*A. J.* 485)
1774	β 533	B. A. C. 1101	28 9	31 17	66.1	0.43	7.0... 7.0	1878.67	β 1	
1775	Espin 54	DM (48°) 960	28 38	48 41	249.0	4.0	9.1...11.5	1901	Es	(*A. N.* 3784)
1776	β 1040	L 6591	28 49	29 35	337.0	3.54	8.0...11.7	1888.91	β 3	
1777	H 1137	....	29 6	71 0	11.7	10±	11 ...13	1828+	H	
1778	Hn 9	O. Arg. N. 3946	29 11	47 43	62.8	1.33	8.5... 8.5	1881.60	β 3	
1779	Σ 420	W^2 III^h. 591	29 24	23 31	111.3	6.47	8.5...10.8	1831.71	Σ 3	8.5 *yel'sh*
1780	Ħ III. 78	....	29 24:	18 27:	357.9	7.17	....	1783.05	Ħ 1	
1781	OΣ (App) 36	Rad^r. 1013	29 26	63 29	70.2	45.83	6.3... 7.3	1875.83	Δ 3	
1782	H 2195	....	29 53	5 49	356.0	25±	10 ...12	1830+	H	
1783	S 430	L 6614	30 2	44 25	94.6	41.51	7½... 8	1823.98	S 2	
1784	H 2196	....	30 9	5 51	83.5	30±	10 ...12	1830+	H	
1785	See 28	Cord. G. C. 3943	30 19	− 29 29	103.2	10.24	7.3...11.9	1897.72	See 1	
1786	H 3249	....	30 29	17 39	98.4	3½±	13 ...13+	1831+	H	
1787	Σ 422	P III^h. 98	30 38	0 12	232.2	6.13	6.0... 8.2	1832.75	Σ 3	*Golden: blue*
1788	Σ 419	O. Arg. N. 3958	30 43	69 27	73.0	3.13	7.2... 7.2	1828.03	Σ 3	*Very white*
1789	Σ 418	DM (74°) 167	30 52	75 0	61.8	16.10	8.5... 9.2	1831.45	Σ 3	*Yel.*
1790	H 664	....	31 16	6 25	245±	15±	10 ...11	1820+	H	
1791	H 2197	....	31 40	50 18	42.8	3±	9–10..11	1830+	H	"Neat"
1792	Σ 424	DM (27°) 540	31 54	27 34	312.5	9.51	8.5...10.5	1829.67	Σ 2	8.5 *white*
1793	OΣ 60	L 6677	3 31 59	24 19	....	Obl?	7 ...	1841.79	OΣ 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1794	**A 459**	SD (8°) 685	$3^h\ 32^m\ 0^s$	− 8° 3′	3°.5	1″.34	8.8...13.2	1903.83	A 3	(*Bul. L. O.* No. 50)
1795	**β 308**	W^1 III^h. 564	32 4	− 8 2	329.9	1.50	8.7... 9.7	1876.84	Δ 3	
1796	**Hu 22**	SD (12°) 680	32 12	−11 56	88.3	0.64	8.5... 9.2	1900.10	Hu 2	(*A. J.* 480)
1797	**OΣ 59**	L 6668	32 19	45 38	349.5	2.43	7.5... 7.8	1850.61	OΣ 4	
1798	**H 3583**	....	32 22	−20 52	89.0	12±	10½=10½	1836.8	H	
1799	**Σ 425**	W^2 III^h. 657	32 32	33 44	104.6	2.87	7.3... 7.3	1830.16	Σ 3	*Very white*
1800	**H 3250**	W^2 III^h. 676	32 38	16 9	142.3	30±	7 ...16	1831+	H	
1801	**β 1231**	DM (65°) 359	32 45	65 36	15.1	2.64	8.2...12.5	1891.84	β 5	A and B
					252.4	83.75	... 8.3	1891.84	β 5	A and C
1802	**Webb**	P III^h. 97	32 50	59 35	34.3	55.64	6 ... 9	1863.02	Kn 1	*Orange: blue*
1803	**β 1181**	L 6685	32 54	45 30	270.5	0.35	8.1... 8.3	1890.66	β 3	
1804	**H 2198**	....	32 55	54 13	309.2	35±	9 ... 9	1830+	H	"Fine"
1805	**Σ 426**	W^2 III^h. 669	32 55	38 44	340.6	19.74	7.0... 8.5	1829.97	Σ 2	*White*
1806	**H 335**	....	32 59	29 59	85±	12±	11 ...11+	1820+	H	
1807	**β 534**	L 6741	33 1	− 8 54	195.3	2.40	7.5...11.1	1879.24	β 4	
1808	**Ho 323**	DM (28°) 560	33 9	28 14	214.2	16.03	8 ...13	1891.75	Ho 3	(*A. N.* 3233) (See p. 1062)
1809	**H 1138**	....	33 18	67 59	322.2	10±	10 ...12	1828+	H	
1810	**Σ 427**	*Tauri* 34	33 18	28 23	208.6	6.68	6.6... 7.4	1831.09	Σ 4	*Wh.: bluish wh.*
1811	**Hu 813**	DM (20°) 607	33 23	21 1	289.3	3.45	7.5...15.0	1902.03	Hu 1	(See p. 1062)
1812	**Σ 421**	DM (71°) 216	33 32	71 14	235.1	12.40	7.0...11.0	1829.28	Σ 2	*7.0 white*
1813	**Σ 429** *rej.*	DM (28°) 563	33 58	28 9	....	Cl. III	8 ...11	....	....	From *Cat. Nov.*
1814	**Σ 430**	*Tauri* 39	34 8	4 44	55.3	26.57	6.0... 9.0	1831.23	Σ 3	A and B } *6.0 very yel.*
					301.9	39.40	... 9.8	1831.23	Σ 3	A and C
1815	**H 2199**	DM (20°) 609	34 14	20 49	129.5	15±	9–10...10	1830+	H	
1816	**Σ 433** *rej.*	....	34 19	− 8 28	114.5	90±	9–10... 9–10	1830+	H	From H(V)
1817	**A. G. 70**	DM (36°) 735	34 31	36 53	26.4	6.78	9.4... 9.5	1902.70	β 2	
1818	**Σ 431**	40 *Persei*	34 46	33 35	237.2	20.01	4.2... 9.5	1830.17	Σ 3	*4.2 greenish white*
1819	**A. G. 71**	A. G. Chris. 624	34 47	65 43	242.9	7.99	9.4... 9.5	1891.84	β 2	
1820	**H 336**	W^2 III^h. 723	34 54	32 33	306±	25±	8 ...10	1820+	H	
1821	**Σ 436**	SD (13°) 713	35 11	−13 0	232.4	30.21	7.0... 8.2	1832.51	Σ 4	*7.0 white*
1822	**H 2201**	L 6810	35 13	− 5 41	32.6	40±	8 ... 9	1830+	H	(See p. 1062)
1823	**A. G. 72**	DM (29°) 595	35 22	29 53	104.5	6.33	9.3... 9.6	1903.81	M 2	
1824	**Σ 428** *rej.*	DM (70°) 254	35 26	70 10	141.4	20±	9 ...11	1830+	H	From H(V)
1825	**β 1182**	L 6759	35 30	48 8	261.2	4.37	6.4...14.2	1890.62	β 3	A and B
					242.6	19.27	...13.5	1890.62	β 3	A and C
1826	**Σ 435**	DM (25°) 593	35 56	25 18	1.6	12.91	7.3... 8.8	1832.00	Σ 5	*White: ash*
1827	**Σ 434**	W^2 III^h. 750	36 6	38 0	88.2	28.34	7.0... 7.8	1830.59	Σ 3	*Golden: bluish wh.*
1828	**OΣ 61** *rej.*	L 6847	36 19	7 31	125.5	1.93	7.0...10.0	1867.05	Δ 3	*7.2 white*
1829	**Σ 438**	W^2 III^h. 765	36 27	22 21	241.4	1.70	8.5...10.5	1832.51	Σ 3	
1830	**Hu 436**	SD (17°) 715	36 36	−17 31	288.2	1.27	7.5... 9.0	1901.90	Hu 3	(*Bul. L. O.* No. 21)
1831	**Hu 103**	DM (49°) 1014	36 37	49 29	207.7	0.84	8.1... 8.4	1900.20	Hu 2	(*A. J.* 485)
1832	**Σ 437**	DM (31°) 641	36 39	31 44	128.6	11.14	9.0... 9.0	1830.99	Σ 2	*White*
1833	**H 2202**	....	36 40	− 0 8	90.0	20±	10–11...12	1830+	H	
1834	**β 535**	o (38) *Persei*	36 47	31 54	56.8	0.83	4.0... 8.5	1878.25	β 4	(See p. 1062)
1835	**Ho 504**	L 6830	36 51	35 28	185.3	0.75	7.8... 8	1896.97	Ho 2	(*A. N.* 3557)
1836	**β 880**	DM (31°) 634	37 3	31 47	353.7	0.45	8.7... 8.9	1880.90	β 2	A and B } (AC = Σ 439)
					38.1	23.20	8.0... 9.2	1830.99	Σ 2	AB and C
1837	**Hn —**	DM (23°) 501	37 4	23 39	131.2	6.10	14 ...14?	1875.82	Hn 1	
1838	**Barnard 3**	DM (23°) 502	37 8	23 43	147.3	1.52	9.6... 9.8	1891.97	β 3	
1839	**β 1041**	W^2 III^h. 793, 798	37 19	27 31	38.3	122.63	6.2... 6.3	1875.42	Δ 3	A and B
					347.8	7.87	...12.8	1888.91	β 3	B and C
1840	**A. G. 73**	DM (40°) 829	37 22	40 9	296.8	19.67	9.1... 9.4	1902.73	β 3	
1841	**β 1183**	B. A. C. 1142	37 36	45 18	139.9	6.48	6.3...14.7	1890.65	β 3	
1842	**Σ 441** *rej.*	O. Arg. N. 4085	37 36	47 38	....	III–IV	8 ...10	....	Σ	
1843	**H 2200**	γ *Camelopardali*	37 41	70 58	237.5	55±	5–6...13	1830+	H	
1844	**Σ 440**	DM (50°) 818	3 37 53	50 47	225.2	2.64	9.2... 9.5	1830.89	Σ 3	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1845	**Σ 442**	DM (22°) 538	$3^h\ 37^m\ 55^s$	22°21′	271°.7	2″.50	9.0… 9.5	1832.51	Σ 3	
1846	**A 48**	SD (4°) 655	37 56	− 4 40	33.4	3.15	8.5…13.4	1900.09	A 4	(*A. N.* 3668)
1847	**Hu 23**	SD (13°) 724	38 5	−13 40	87.3	1.12	9.0… 9.1	1900.05	Hu 3	(*A. J.* 480)
1848	**H 3251**	19 *Pleiadum*	38 5	24 6	332.8	45±	5–6…10	1831+	H	
1849	**OΣ 62**	L 6803	38 8	64 23	17.6	0.46	7.8… 8.0	1847.46	OΣ 2	
1850	**A 460**	SD (9°) 736	38 9	− 9 43	252.1	0.47	9.3… 9.4	1903.85	A 3	(*Bul. L. O.* No. 50)
1851	**Lv 3**	SD (13°) 725	38 32	−13 48	358.6	1.08	8.3…10.2	1888.93	Lv 2	
1852	**Howe 8**	DM (22°) 544	38 36	22 19	137.3	28.27	8.0…12.0	1896.66	Cin 1	
1853	**Σ 444**	15 *n Pleiadum*	38 43	22 46	339.0	3.28	7.7…10.7	1832.34	Σ 4	*7.7 very wh.*
1854	**Σ 443**	DM (41°) 750	38 47	41 7	44.3	9.08	8.2… 8.8	1830.86	Σ 3	*White*
1855	**H 3588**	L 6947	38 59	−11 9	222.9	40±	7½… 9	1835.9	H	
1856	**β 536**	W^2 III^h. 846	39 8	23 49	336.4	0.44	8.3… 9.3	1878.69	β 3	A and B
					302.4	36.72	… 8.0	1878.70	β 2	AB and C
					11.2	18.17	…12	1878.67	β 1	C and D
1857	**Hu 208**	SD (10°) 738	39 9	−10 44	159.0	2.58	9.0… 9.8	1900.07	Hu 1	(*A. J.* 494)
1858	**Hd —**	23 *Tauri*	39 12	23 34	….	….	5 …	….	….	
1859	**H 2004**	29 *Tauri*	39 17	5 41	68.0	80±	6 …14	1830+	H	
1860	**H 1139**	Rad^I. 1056	39 20	70 7	175.6	40±	8–9…10	1828+	H	
1861	**Ku 15**	DM (30°) 573	39 23	30 26	158.0	2.12	9.8…10.0	1901.04	Ku 1	A and B
					252.4	15.52	…11.3	1901.04	Ku 1	A and C
1862	**H 3252**	….	39 24	16 47	299.4	8±	10–11…12	1831+	H	
1863	**Hu 546**	DM (51°) 777	39 25	51 40	72.4	0.24	8.5… 8.8	1900.64	Hu 3	
1864	**OΣ 63**	Rad^I. 1064	39 28	50 22	270.2	6.89	6.3…11.5	1848.91	OΣ 3	6.3 *white*
1865	**S 436**	DM (56°) 846	39 45	56 45	74.0	57.71	7 … 8	1823.99	S 2	
1866	**β 537**	DM (24°) 563	39 54	24 28	185.9	0.60	8.5…10.5	1877.91	β 2	
1867	**Hd 63**	….	40 :	−16 50:	297.9	26.27	10 …10.5	1867.08	Hd 1	
1868	**Σ 451** *rej.*	W^I III^h. 748	40 6	−13 42	322.6	20±	9 …10	1836.9	H	
1869	**Σ 447**	DM (37°) 830	40 8	37 58	178.3	26.46	7.8… 9.0	1830.59	Σ 3	7.8 *yel'sh*
1870	**H 5457**	….	40 14	33 14	110±	5±	8 …15	1823+	H	
1871	**Σ 448**	DM (33°) 717	40 16	33 14	18.6	3.27	7.2… 9.7	1831.39	Σ 3	7.2 *white*
1872	**Σ 449**	DM (24°) 567	40 16	24 17	330.9	6.79	8.5…11.0	1832.24	Σ 3	
1873	**Σ 450**	*Tauri* 79	40 17	23 33	267.2	5.72	8.0…10.0	1832.24	Σ 3	*Yel'sh wh.: ash*
1874	**H 2205**	….	40 19	3 3	146.4	3±	10 …11+	1830+	H	
1875	**Σ 8, App. I**	*η Tauri* (Alcyone)	40 21	23 44	289.3	117.16	3.8… 7.0	1836.18	Σ 5	A and B
					344.1	85.64	….	1824.00	S 2	B and C
					303.9	74.68	….	1824.00	S 2	B and D
1876	**Hu 209**	DM (49°) 1032	40 23	50 1	87.6	1.27	8.7… 9.7	1900.61	Hu 3	(*A. J.* 494)
1877	**Σ 446**	….	40 25	52 17	252.7	8.54	7.0… 9.2	1830.74	Σ 2	A and B 7.0 *yel'sh wh.*
					41.1	12.73	…12.2	1892.98	Es 3	A and C
1878	**β 1003**	O. Arg. S. 2518	40 25	−28 15	20.5	2.69	8.1…12.0	1881.54	β 2	
1879	**Σ 445**	DM (59°) 720	40 39	59 45	253.2	2.96	8.2… 9.2	1831.22	Σ 3	*White*
1880	**β 538**	Yar. 1634	40 51	23 44	138.0	2.27	10 …11	1877.73	β 1	
1881	**H 2203**	DM (77°) 136	41 1	77 26	70.3	25±	9–10…11	1830+	H	
1882	**β 1184**	DM (21°) 526	41 14	22 0	272.3	0.62	8.1… 8.3	1890.83	β 3	
1883	**β 1105**	DM (23°) 554	41 26	23 49	57.7	0.33	9.3…10.3	1889.62	β 3	
1884	**H 2200**	….	41 35	52 2	318.5	12±	10 …11	1830+	H	
1885	**OΣ 516**	W^2 III^h. 888	41 35	31 54	40.1	2.35	7.2… 9.2	1854.39	OΣ 4	
1886	**Σ 452**	30 *Tauri*	41 41	10 46	57.9	8.90	4.5… 9.6	1830.71	Σ 6	4.5 *bluish gr.*
1887	**Σ 453**	27 *Tauri* (Atlas)	42 1	23 41	29.2	0.35	5 … 8	1830.	Σ 1	
1888	**Σ 456** *rej.*	DM (1°) 664	42 10	1 13	122.4	18±	9 …10	1830+	H	
1889	**OΣ (App) 40**	W^2 III^h. 903	42 12	24 1	308.2	87.00	6.3… 7.2	1875.01	Δ 3	
1890	**Ho 324**	W^I III^h. 777	42 14	14 36	341.7	0.48	8.1… 8.3	1890.07	Ho 2	
1891	**H 2207**	….	42 22	55 3	42.8	10±	10 …11	1830+	H	
1892	**H 2209**	….	42 23	− 9 14	265±	12±	9 …10	1830+	H	
1893	**H —**	….	42 29	17 57	353.6	7±	12 …13–14	1831+	H	
1894	**Kr 21**	A. G. Hels. 3242	3 42 30	55 39	278.2	4.36	9.8…10	1890.77	β 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1895	Σ 458	DM (17°) 635	$3^h\ 42^m\ 44^s$	17° 55′	195°.2	4″.94	9.0... 9.3	1831.07	Σ 3	
1896	A. G. 74	A. G. Leip. 1112	42 49	12 33	194.5	12.33	8.7...10.5	1893.97	I p 1	
1897	OΣ 64	P III^h. 165	42 50	23 29	239.0	3.25	7.0... 9.9	1847.16	OΣ 4	A and B } 7.0 *white*
					237.2	10.58	... 9.0	1847.16	OΣ 4	A and C
1898	β 1106	....	42 58	23 51	51.7	0.40	11.5...11.5	1889.59	β 1	
1899	H 3594	O. Arg. S. 2549	43 5	−20 47	87.3	12±	8 ...14	1835.9	H	
1900	OΣ 65	B. A. C. 1192	43 6	25 13	209.2	0.74	6.5... 6.8	1846.16	OΣ 4	
1901	β 539	W^1 III^h. 809	43 13	− 1 53	271.2	2.79	9 ...11	1877.88	β 2	
1902	H 666	L 7069	43 15	9 3	25±	25±	6 ...17–18	1820+	H	
1903	Σ 457	DM (22°) 576	43 15	22 19	104.8	1.26	8.8... 8.8	1831.17	Σ 4	*White*
1904	Hu 814	DM (32°) 669	43 28	32 12	89.0	0.96	8.4...13.5	1902.75	Hu 1	(See p. 1062)
1905	Σ 459	W^2 III^h. 929	43 33	29 18	318.3	12.84	7.8...10.7	1831.38	Σ 3	7.8 *yel'sh*
1906	OΣ 66	Rad^1. 1084	44 0	40 26	136.1	0.48	7.5... 8.0	1846.44	OΣ 2	*White: olive*
1907	β 401	L 7109	44 10	− 1 53	254.5	4.65	6.8...10.8	1877.20	Δ 3	
1908	H 667	....	44 15	− 0 33	90±	4–5	9 ...12	1820+	H	A and B }
					300±	15±	...18	1820+	H	A and C
1909	H 3248	DM (13°) 610	44 36	13 55	30.5	3±	10–11...13	1831+	H	
1910	H 668	DM (−0°) 608	44 44	− 0 32	315±	18±	8 ...12	1830+	H	
1911	See 33	Cord. DM (22°) 1347	44 44	−22 19	299.2	10.73	7 ...10.8	1897.72	See 1	
1912	H 3253	DM (25°) 632	44 56	25 52	74.4	18±	9–10...10–11	1831+	H	B = DM (25°) 633
1913	Σ 455	O. Arg. N. 4210	44 57	69 10	167.4	11.87	8.2... 8.7	1827.75	Σ 2	
1914	H 2210	....	45 23	5 12	333.5	3±	12 ...13	1830+	H	
1915	Σ 463	DM (−0°) 610	45 26	− 0 2	203.5	10.78	8.5...11.3	1831.97	Σ 3	8.5 *yel.*
1916	H 3599	SD (19°) 756	45 49	−19 17	66.7	12±	10 ...10½	1836.8	H	–
1917	Σ 461	DM (56°) 856	45 51	56 9	104.7	1.22	8.0...10.6	1832.21	Σ 5	8.0 *yel.*
1918	H 2208	O. Arg. N. 4201	46 9	78 42	146.3	12±	9 ...12	1830+	H	
1919	H 3602	....	46 23	−27 50	347±	4±	10 = 10	1835.9	H	"Neat double star"
1920	H 3601	O. Arg. S. 2596	46 31	−23 18	303.5	15±	8½...10	1835.9	H	
1921	Σ 464	ζ *Persei*	46 35	31 32	207.6	12.48	2.7... 9.3	1830.54	Σ 3	A and B } AB *gr. wh.: ash*
					280±	25±	...(17)	1820+	H	A and C
					198.8	84.38	...(15)	1825.01	S 2	A and D
					184.6	119.07	...(13)	1824.98	S 2	A and E
1922	β 743	DM (51°) 802	46 36	51 54	250.2	0.82	8.5... 9.0	1880.06	β 1	
1923	Σ 462	....	46 42	52 1	319.8	7.79	9.0...10.7	1831.71	Σ 4	
1924	H 338	30 *Eridani*	46 47	− 5 43	135±	10±	5 ...17	1820+	H	
1925	Hn 66	L 7187	46 48	− 8 51	31.2	2.20	8.0...12.2	1888.81	Com 3	
1926	H 669	DM (34°) 762	46 52	34 57	265±	10±	10 ...10+	1820+	H	
1927	OΣ 67	*Camelop.* 9 (Hev.)	46 55	60 45	39.3	1.72	5.0... 8.2	1847.18	OΣ 3	*Orange: blue*
1928	H 2212	SD (6°) 766	46 55	− 6 19	302.1	12±	9–10...12	1830+	H	"A 10 m. star 40° f"
1929	β 1276	L 7190	47 4	− 2 12	81.1	0.96	8.7... 9.0	1898.73	β 3	B and C } AB = Σ 468
					97.7	20.06	8.7... 9.7	1831.40	Σ 3	A and BC
1930	Σ 466	SD (2°) 747	47 8	− 2 21	59.7	8.08	8.2...10.5	1831.73	Σ 3	8.2 *yel.*
1931	Ku 16	DM (50°) 859	47 20	50 47	270.8	2.34	9.8...10.4	1901.62	Ku 2	Kustner (3821)
1932	Hu 606	DM (34°) 766	47 36	34 47	34.5	3.04	8.9...11.2	1903.06	Hu 3	
1933	S 440	43 *Persei*	47 41	50 21	30.3	76.93	5 ...15	1825.01	S 2	
1934	H —	DM (51°) 807	47 43	52 1	85.3	16±	10 ...11	1830+	H	
1935	H 2213	....	47 47	2 54	10.9	6±	11 ...14	1830+	H	A and B } "C difficult"
					93.0	10±	...16	1830+	H	A and C
1936	Ho 325	L 7185	47 53	30 41	12.3	21.78	6 ...12	1891.99	Ho 1	
1937	Σ 465	DM (47°) 915	48 4	47 8	231.7	5.56	8.0...10.1	1832.70	Σ 4	*Yel'sh wh.*
1938	OΣ (App) 41	W^1 III^h. 900	48 6	4 49	356.9	58.88	7.3... 8.3	1875.30	Δ 3	
1939	Σ 470	32 *Eridani*	48 16	− 3 19	347.3	6.70	4.0... 6.0	1833.15	Σ 3	*Yel.: blue*
1940	β 540	DM (31°) 669	48 21	31 48	326.0	1.22	8.1...11.5	1878.65	β 2	A and B }
					57.2	57.14	... 8.2	1878.70	β 2	A and C
1941	A 461	SD (7°) 698	48 31	− 7 10	33.7	0.23	9.3... 9.6	1903.78	A 3	
1942	H 2214	....	3 48 32	−10 15	63.2	3±	10–11...11	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1943	β 85	W^2 III^h. 1031	3^h 48^m 34^s	17° 17′	216°9	4′14	7.9...10.1	1875.66	Δ 4	
1944	β 263	W^2 III^h. 1028	48 50	32 50	70.6	0.67	8.2... 8.5	1875.93	Δ 6	
1945	β 541	W^1 III^h. 923	48 53	− 1 37	259.8	1.34	8.5...10.5	1877.95	β 1	
1946	Hu 815	DM (21°) 555	48 53	21 25	205.5	2.64	8.0...12.0	1902.12	Hu 1	(See p. 1062)
1947	Hn 67	L 7249	48 54	−13 4	153.4	2.97	7.8... 8.5	1886.97	LM 4	
1948	Σ 469	*Persei* 189	49 6	41 32	148.7	9.15	7.2...10.7	1828.70	Σ 2	*7.2 white*
1949	H 1140	DM (69°) 233	49 31	69 35	115.7	15±	9–10...11	1828+	H	
1950	Σ 471	ε *Persei*	49 48	39 40	9.2	8.81	3.1... 8.3	1832.59	Σ 5	*Green: bluish wh.*
1951	Hn 68	....	49 50	−17 19	178.1	8.86	10.0...11.3	1888.63	Com 2	
1952	Σ 460	*Cephei* 49 (Hev.)	49 57	80 22	355.8	0.86	5.2... 6.1	1836.45	Σ 3	*Yel.: blue*
1953	A 462	SD (7°) 707	50 21	− 7 18	198.4	1.65	9.0...10.0	1877.86	β 1	AB and C
					289.1	0.32	9.0... 9.2	1903.80	A 3	A and B
1954	Ho 220	SD (11°) 762	50 29	−11 1	111.3	1.54	8.0...11.0	1890.13	Ho 2	
1955	A 463	SD (6°) 787	50 40	− 6 44	46.6	0.40	9.4... 9.5	1903.88	Δ 3	(*Bul. L. O.* No. 50)
1956	Ho 505	W^1 III^h. 1067	50 44	32 24	194.4	1.12	8 ...10	1897.00	Ho 3	(*A. N.* 3557)
1957	Hn 69	DM (18°) 565	50 53	18 35	192.0	2.34	9.2... 9.7	1888.10	Com 3	(See p. 1063)
1958	A. G. 75	DM (27°) 609	50 55	27 37	13.7	6.25	9.2... 9.5	1903.81	How 2	
1959	H 2211	DM (78°) 143	50 55	78 6	265.1	10±	8–9...13	1830+	H	(See p. 1063)
1960	Hu 24	DM (11°) 543	51 0	11 9	265.0	1.45	8.5...11.3	1900.09	Hu 2	(*A. J.* 480)
1961	OΣ 68 *rej.*	Rad^1. 1110	51 3	47 48	175.6	38.88	7.0... 8.1	1867.71	Δ 3	*White*
1962	β 543	W^1 III^h. 974	51 25	− 1 30	32.0	11.15	8.5...10.5	1877.82	β 1	
1963	Σ 473	DM (9°) 521	51 25	9 17	95.1	16.08	8.7...10.5	1829.16	Σ 2	
1964	Bird 1	O. Arg. N. 4315	51 26	62 10	225±	2±	7.2... 8.5	1872.	....	A and B
					174±	6±	... 9.5	1872.	....	A and C
1965	H 2215	DM (52°) 736	51 35	53 2	72±	18±	9–10..9–10+	1830+	H	
1966	OΣ 69	L 7293	51 41	38 29	327.7	1.65	6.4... 9.1	1849.83	OΣ 4	*White: ash*
1967	Hu 25	DM (11°) 548	51 50	11 47	325.7	0.79	8.6... 9.1	1900.09	Hu 2	(*A. J.* 480)
1968	A 464	SD (6°) 793	51 50	− 6 46	358.2	0.92	9.0...13.2	1903.86	A 2	(*Bul. L. O.* No. 50)
1969	Σ 475	SD (7°) 712	52 3	− 7 28	15.9	7.48	8.2...10.6	1831.06	Σ 4	8.2 *white*
1970	Hn 70	W^1 III^h. 996	52 11	− 5 15	272.3	3.42	8.3... 9.2	1888.08	Com 3	
1971	Hu 26	SD (10°) 799	52 16	−10 34	258.3	2.25	9.0... 9.4	1900.04	Hu 3	(*A. J.* 480)
1972	Hn 71	W^1 III^h. 1005	52 21	− 9 15	157.2	4.05	8.8...12.2	1888.37	Com 1	
1973	A 465	A. G. Camb. 1942	52 22	28 28	202.4	1.74	9.0...10.8	1903.82	A 2	(*Bul. L. O.* No. 50)
1974	H 339	....	52 23	31 58	195±	20±	8 ...12	1820+	H	
1975	H 3608	γ *Eridani*	52 24	−13 51	233.6	45±	3½...13	1834+	H	
1976	Hu 27	DM (9°) 523	52 26	9 27	210.8	0.55	8.1... 8.5	1899.45	Hu 2	(*A. J.* 480)
1977	β 1042	L 7372	52 36	− 3 0	93.8	54.93	7.5...	1888′92	β 3	A and B
					35.1	1.09	8.7... 9.5	1888.92	β 3	B and C
1978	Hu 28	DM (11°) 552	53 3	11 7	342.1	0.97	9.0... 9.2	1900.07	Hu 1	(*A, J.* 480)
1979	Hu 29	SD (10°) 808	53 5	−10 40	311.5	0.44	8.5... 8.8	1900.04	Hu 2	(*A. J.* 480)
1980	Σ 478	W^1 III^h. 1016	53 11	11 12	137.2	9.57	8.2... 9.2	1829.75	Σ 3	8.2 *white*
1981	A. G. 76	A. G. Alb. 1165	53 19	2 20	45±	8±	8.7...	....	....	
1982	Σ 472	DM (71°) 229	53 20	71 42	15.3	6.64	9.2... 9.7	1827.75	Σ	
1983	Σ 476	W^2 III^h. 1119	53 36	38 20	283.8	17.58	7.5... 8.7	1831.85	Σ 3	*Yel.: blue*
1984	Hn 10	DM (47°) 930	53 42	48 3	89.5	4.42	8.5...10.0	1881.60	β 3	
1985	Σ 479	P III^h. 213	53 50	22 52	128.5	7.41	7.0... 7.9	1831.69	Σ 5	A and B } AB *white*
					240.5	58.10	... 9.4	1831.69	Σ 4	A and C
1986	Σ 477	DM (41°) 795	53 53	41 31	213.4	2.98	8.3... 9.3	1830.18	Σ 3	8.3 *yel.*
1987	H 2216	....	54 1	72 9	214.8	16±	10 ...14	1830+	H	
1988	H 5459	DM (8°) 611	54 6	8 35	257.	9±	9 ...10	1828.0	H	
1989	Hu 210	DM (51°) 835	54 35	51 48	192.7	0.33	9.0... 9.8	1900.86	Hu 2	(*A. J.* 494)
1990	Σ 481	DM (27°) 618	54 52	27 47	106.6	2.22	7.2...10.8	1832.19	Σ 3	A and B } *7.2 very yel.: 9.2 blue*
					329.2	18.78	... 9.2	1832.19	Σ 5	A and C
1991	H 3613	SD (14°) 798	54 54	−14 51	147.7	6±	10 ...10½	1835.9	H	"Neat"
1992	H 2218	....	54 55	4 49	....	9±	11 ...12	1830+	H	
1993	Σ 480	O. Arg. N. 4384	3 54 57	55 25	324.2	3.21	8.3... 8.5	1831.22	Σ 3	*Yel'sh*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
1994	A. G. 77	DM (22°) 620	$3^h\ 54^m\ 57^s$	23° 0′	171°7	1′55	9 ...10	1902.41	M 3	
1995	H 670	....	55 5	31 50	50±	9±	10 = 10	1820+	H	
1996	Ho 221	DM (54°) 734	55 10	54 45	95.6	4.64	7.0...11.7	1888.54	Ho 2	
1997	Σ 487	W^1 III^h. 1054	55 12	−10 47	8.7	11.93	8.7... 9.2	1831.40	Σ 3	A and B
					237.4	21.73	...10.3	1831.40	Σ 3	A and C
1998	OΣ 70	P III^h. 220	55 14	9 40	227.2	11.93	5.8...11.8	1848.52	OΣ 2	6.3 *white*
1999	H 2217	....	55 15	52 18	273±	3±	13 ...14	1830+	H	"*sf* a curious knot of stars."
2000	Espin 122	DM (61°) 666	55 18	61 50	248.7	5.0	8.6...10.5	1902	Es 2	
2002	A 49	SD (3°) 661	55 21	− 3 15	254.9	1.58	8.8...10.2	1900.12	A 3	(*A. N.* 3668)
2003	A 466	SD (8°) 769	55 44	− 7 58	252.6	3.46	8.9...13.0	1903.91	A 2	(*Bul. L. O.* No. 50)
2004	Σ 482	W^2 III^h. 1167	55 49	21 48	124.1	13.33	8.5...10.0	1830.38	Σ 3	8.5 *yel.*
2005	Hd 64	....	56 :	−15 56	130±	6±	8.3... 9.4	1881.12	Hd 1	
2006	Hd 65	....	56 :	−16 7	127.0	8.99	8.5... 9.5	1867.07	Hd 1	
2007	Σ 483	DM (39°) 918	56 2	39 11	11.6	2.80	8.0... 9.5	1830.52	Σ 3	8.0 *white*
2008	Espin 55	DM (58°) 698	56 12	58 58	261.3	9.01	8.1...12.5	1901.98	Es 2	
2009	Σ 488 *rej.*	SD (4°) 721	56 19	− 4 22	33.4	16±	10 ...11	1830+	H	
2010	Σ 489	SD (7°) 724	56 31	− 7 20	195.1	3.29	8.5... 8.7	1831.06	Σ 3	*White*
2011	Σ 474	DM (75°) 162	56 55	75 55	145.4	22.55	8.5... 8.5	1831.28	Σ 2	*White*
2012	H̶ N. 93	....	57 ±	23 6±	....	Cl. II	....	1793.00	H̶	
2013	β 544	36 *Tauri*	57 11	23 46	257.9	25.06	6 ...12.5	1877.86	β 1	
2014	Σ 485	Rad^1. 1131	57 18	62 0	303.3	17.98	6.1... 6.2	1830.24	Σ 5	A and B *Wh.: bluish wh.*
					64.0	48.96	....	1830.87	Σ 3	B and A^1
2015	Σ 484	....	....	....	132.4	5.42	9.0... 9.5	1830.87	Σ 3	A^1 and B^1
					334.3	22.57	... 9.0	1830.87	Σ 3	A^1 and C^1
2016	β 1004	Lac. 1326	57 27	−34 49	154.1	1.79	7.5... 7.9	1881.85	β 3	A and B
					131.2	62.98	...11.2	1881.86	β 2	A and C
2017	H 3615	SD (15°) 708	57 34	−15 28	160.6	25±	8 ... 9	1835.9	H	
2018	Hu 547	DM (50°) 901	57 49	50 15	261.1	4.43	8.5...13.0	1902.05	Hu 3	(*Bul. L. O.* No. 27)
2019	β 1277	DM (27°) 630	58 15	28 4	259.0	1.34	8.0...12.2	1898.84	β 2	A and B
					69.7	54.53	... 9.2	1898.87	β 3	A and C
2020	H 3617	SD (12°) 784	58 22	−12 5	61.3	15±	8½...12	1836.9	H	
2021	Hn 72	SD (9°) 806	59 4	− 9 4	33.1	2.03	10.0...10.2	1888.09	Com 3	
2022	OΣ 71	L 7561	59 16	33 7	206.4	0.98	7.0... 9.0	1846.44	OΣ 2	A and B *White: ash*
					....	20±	...(13)	1820+	H	A and C
2023	H 340	....	59 16	32 8	300±	14±	9 ...11	1820+	H	
2024	Σ 491	DM (10°) 537	59 17	10 39	111.4	2.70	8.2... 8.8	1830.69	Σ 3	*Yel'sh*
2025	β 1005	DM (28°) 618	59 20	28 37	62.7	3.35	8.5...11.7	1881.86	β 2	
2026	β 545	L 7556	59 24	37 42	310.0	1.02	8.0...11.5	1878.24	β 4	
2027	OΣ 531	B. A. C. 1264	59 34	37 45	147.9	3.30	6.5... 8.2	1855.55	OΣ 10	*Yel.: red*
2028	S 443	DM (13°) 642	59 49	14 2	113.9	44.21	9 ...10	1825.10	S 2	A and B
					301.2	181.91	... 5?	1825.10	S 1	A and C
2029	Hu 211	DM (49°) 1106	59 45	49 57	270.8	1.65	8.6...10.3	1900.85	Hu 4	(*A. J.* 494)
2030	H 2220	DM (56°) 885	59 49	56 7	296.4	14±	9 ...14	1830+	H	
2031	Σ 492 *rej.*	W^2 III^h. 1251	4 0 6	41 10	202.3	94.39	6.6...	1900.71	β 2	A and B
					135.7	5.60	10 ...10	1900.71	β 2	B and C
2032	H 2219	....	0 13	51 45	251.7	5±	10–11...13	1830+	H	
2033	Σ 490	O. Arg. N. 4475	0 14	59 50	55.7	4.55	8.5... 9.0	1830.21	Σ 3	*White*
2034	Σ 493	W^1 III^h. 1146	0 22	5 22	98.1	1.83	8.5... 9.0	1831.68	Σ 3	*Yel.*
2035	H 3619	....	0 23	−12 6	324±	15±	10 ...12	1836.9	H	
2036	H 1141	....	0 27	68 49	167.0	12±	10 ...10	1828+	H	
2037	H 2221	....	0 28	3 5	240±	12±	11 ...13	1830+	H	
2038	Ho 506	DM (67°) 311	0 33	67 40	72.1	2.08	8.5...10.5	1895.99	Ho 1	(*A. N.* 3557) (See p. 1063)
2039	Σ 486	DM (79°) 135	0 42	79 11	338.5	8.86	9.0...10.5	1831.79	Σ 2	
2040	Σ 495	*Tauri* 179	0 54	14 50	216.1	3.64	6.0... 8.8	1830.43	Σ 3	*Yel'sh wh.: bluish*
2041	Σ 3114	W^2 III^h. 1273	4 1 3	39 51	190.1	1.92	8.0...10.5	1832.38	Σ 5	8.0 *yel'sh*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2042	**H 2222**	....	4^h 1^m 3^s	5° 2′	155°.3	18″ ±	11 ...12	1830+	H	
2043	**OΣ 72**	P III^h. 249	1 7	17 1	322.8	4.49	6.1... 9.2	1854.51	OΣ 5	6.1 *golden*
2044	**β 309**	L 7655	1 22	19 25	279.1	5.66	8.0...11.3	1875.65	Δ 3	
2045	**β 1232**	W^2 III^h. 1286	1 26	28 52	350.4	0.30	8.4... 9.3	1891.98	β 3	
2046	**Hd 66**	SD (16°) 783	1 32	−16 10	261.7	18.52	9.3... 9.5	1868.48	Hd 3	
2047	**A 467**	SD (6°) 823	1 34	− 6 48	227.1	2.94	9.0...10.8	1903.83	A 2	(*Bul. L. O.* No. 50)
2048	**A 468**	SD (7°) 746	1 36	− 7 17	189.5	0.74	8.5... 9.5	1903.91	A 3	(*Bul. L. O.* No. 50)
2049	**H 2223**	DM (0°) 699	1 43	1 0	200.6	12±	9–10...10	1830+	H	Rather fainter (1877.1)
2050	**Ho 326**	DM (28°) 627	1 44	28 20	346.5	0.29	8.0... 8.0	1890.13	Ho 3	
2051	**Σ 494**	W^2 III^h. 1300	1 45	22 47	189.9	5.08	7.7... 7.7	1830.85	Σ 3	*Very wh.*
2052	**Ho 327**	L 7665	2 3	31 20	321.7	16.26	6.3...12	1892.07	Ho 2	
2053	**Σ 497**	DM (8°) 638	2 3	8 8	236.3	14.32	8.5...10.7	1829.98	Σ 2	8.5 *yel'sh*
2054	**Howe 9**	O. Arg. S. 2825	2 13	−29 8	166.4	1.21	8.2... 8.6	1878.05	Cin 1	
2055	**A. G. 78**	A. G. Lund 2136	2 27	35 59	199.4	17.84	9.1... 9.2	1902.70	β 2	
2056	**Hu 301**	DM (10°) 541	2 32	10 27	299.8	0.75	8.5... 9.6	1901.39	Hu 3	(*Bul. L. O.* No. 12)
2057	**Σ 501**	SD (3°) 690	2 37	− 3 0	296.0	29.44	8.3... 9.5	1831.40	Σ 3	
2058	**Σ 499**	DM (23°) 630	2 54	23 48	291.1	1.64	9.2... 9.3	1833.53	Σ 3	A and B
					279.5	30.29	...11.2	1833.53	Σ 3	AB and C
2059	**β 546**	W^2 III^h. 1323	3 12	41 33	24.3	0.92	8.0... 8.0	1878.67	β 1	
2060	**Σ 498**	DM (53°) 742	3 22	53 28	173.6	1.04	9.0... 9.7	1833.24	Σ 5	
2061	**Σ 500**	DM (39°) 945	3 26	39 57	79.0	3.93	8.5... 9.5	1831.19	Σ 3	*Yel'sh wh.*
2062	**A 469**	SD (8°) 798	3 31	− 8 13	343.9	0.24	8.0... 8.0	1903.89	A 3	(*Bul L. O.* No. 50)
2063	**Σ 496** *rej.*	....	3 45:	70 12	41.5	35±	10 ...10+	1830+	H	A and C From H (V). (See p. 1063)
					330.0	18±	...11	1830+	H	B and C
2064	**Σ 502** *rej.*	DM (26°) 687	3 53	26 12	309.9	15±	9 ...12	1831+	H	A and B From H (VI). (See p. 1063)
					304.7	8±	...12	1831+	H	B and C
2065	**A 470**	SD (9°) 833	4 31	− 9 7	18.6	0.83	9.3... 9.5	1903.94	A 3	(*Bul. L. O.* No. 50)
2066	**H 341**	....	4 40	35 25	325±	10±	10 ...11	1820+	H	
2067	**Hu 212**	DM (51°) 883	5 2	51 31	8.0	0.33	9.0...10.0	1900.86	Hu 2	A and B
					191.6	4.31	...11.0	1900.86	Hu 2	A and C
2068	**OΣ 74**	L 7828	5 44	9 20	270.1	0.53	8.0... 8.5	1849.16	OΣ 1	
2069	**Upton 1**	....	5 50	−18 42	97.2	7.15	8½... 9	1877.00	Cin 2	
2070	**Σ 510**	DM (0°) 710	5 59	0 26	300.5	10.76	6.5... 9.5	1831.02	Σ 2	6.5 *very yel.*
2071	**Σ 503**	....	6 4:	63 52:	226.7	4.33	8.8... 8.8	1830.28	Σ 3	*White*
2072	**H 2224**	W^1 IV^h. 81	6 5	− 9 9	319.6	30±	8–9...11	1830+	H	7 m. in W^1(See p. 1063)
2073	**OΣ 73**	*μ Persei*	6 5	48 6	349.2	15.07	4.5...12.0	1851.08	OΣ 3	A and B
					231.7	91.56	...(10)	1822.85	Sh 1	A and C
2074	**Hu 548**	DM (50°) 942	6 5	50 56	258.3	0.26	9.5...11.0	1902.10	Hu 3	(*Bul. L. O.* No. 27)
2075	**Hu 302**	DM (22°) 651	6 6	22 39	164.1	0.25	9.5... 9.5	1901.72	Hu 2	(*Bul. L. O.* No. 12)
2076	**β 1233**	DM (66°) 316	6 6	66 47	37.1	5.17	8.0...13.2	1891.85	β 4	
2077	**A 471**	SD (9°) 844	6 17	− 9 35	204.2	0.61	8.5...10.0	1903.96	A 3	(*Bul. L. O.* No. 50)
2078	**Σ 504**	DM (67°) 318	6 26	67 16	261.9	6.72	8.5...10.0	1830.58	Σ 3	
2079	**Σ 505**	DM (62°) 669	6 41	62 17	115.6	9.68	8.3...11.0	1830.59	Σ 3	8.3 *yel.*
2080	**Σ 514**	W^1 IV^h. 94	6 49	− 7 9	76.4	7.66	8.5...10.3	1830.70	Σ 3	
2081	**β 1278**	L 7871	7 0	8 35	303.4	7.45	6.5...13.7	1898.85	β 3	A and B
					252.3	55.26	...12.5	1898.92	β 1	A and C
2082	**Σ 515**	L 7879	7 8	2 34	43.9	3.46	8.3... 8.3	1830.71	Σ 3	*White*
2083	**Σ 512**	O. Arg. N. 4620	7 10	45 6	225.9	5.20	8.3... 8.3	1830.18	Σ 3	*White*
2084	**β 547**	47 *Tauri*	7 25	8 58	359.4	0.89	5.5... 8.0	1877.84	β 3	A and B
					223.1	32.20	...12.5	1877.99	β 1	AB and C
2085	**H 3626**	SD (9°) 849	7 34	− 9 47	38.3	18±	8½...11.0	1835.9	H	8.8 m. in SD (See p. 1063)
2086	**Σ 509**	DM (61°) 692	7 35	61 37	19.5	11.70	7.7...11.2	1830.21	Σ 2	A and B 7.7 *very wh.*
					247.9	38.09	... 8.7	1830.58	Σ 3	A and C
2087	**H 2225**	DM (52°) 798	7 47	53 4	228.5	25±	9–10...10–11	1830+	H	
2088	**Σ 511**	DM (58°) 727	7 51	58 30	320.0	0.54	7.5... 8.0	1829.52	Σ 4	*White*
2089	**Σ 508**	DM (67°) 319	4 7 58	67 35	259.2	2.30	8.0...10.5	1830.90	Σ 3	8.0 *white*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2090	Howe 10	O. Arg. S. 2909	$4^h\ 8^m\ 9^s$	−28°51′	213°.1	2″.57	8.0... 8.2	1876.00	Cin 4	
2091	Kr 22	A. G. Hels. 3461	8 13	60 32	183.9	3.39	9.3... 9.4	1890.77	β 1	
2092	OΣ 75	L 7830	8 15	60 12	160.7	0.50	7.6... 8.0	1851.70	OΣ 5	
2093	OΣ 77	L 7899	8 19	31 24	338.2	0.37	7.5... 7.5	1846.06	OΣ 2	A and B
					41.7	56.49	... 8.0	1847.23	OΣ 1	AB and C
					312.8	127.10	... 8.5	1873.66	Δ 1	AB and D
2094	Σ 506	DM (70°) 289	8 20	70 5	290.3	9.65	9.0... 9.2	1830.00	Σ 3	
2095	OΣ 76	L 7896	8 23	34 34	210.6	3.86	7.5...12.2	1849.52	OΣ 2	
2096	Hu 30	SD (23°) 1810	8 23	−23 26	176.7	5.30	6.6...13.7	1900.07	Hu 2	(*A. J.* 480)
2097	OΣ 78	L 7906	8 30	29 44	243.3	2.74	7.2... 9.2	1847.98	OΣ 3	7.3 *wh.*
2098	H 3254	....	8 35	16 23	225.2	23±	9–10...13	1831+	H	
2099	See 34	Cord. G. C. 4724	8 36	−25 50	38.2	19.78	7.1...12.7	1897.76	See 1	
2100	β 86	W^2 IV^h. 129	8 39	23 13	51.1	4.05	9.0... 9.6	1875.68	Δ 4	
2101	Σ 513	O. Arg. N. 4632	8 40	61 17	57.5	5.43	7.8... 9.7	1830.59	Σ 3	7.8 *white*
2102	Σ 516	39 *Eridani*	8 41	−10 33	153.7	6.26	6.0... 9.0	1836.03	Σ 2	*Yel.: blue*
2103	OΣ (App) 44	Rad^1. 1179	8 42	45 55	321.8	58.44	6.2... 7.2	1875.75	Δ 3	
2104	Hu 816	DM (32°) 758	8 43	32 59	156.0	0.33	9.0...10.0	1902.83	Hu 1	(See p. 1063)
2105	H 3629	SD (16°) 815	8 47	−16 51	84.1	15±	8½...10	1835.9	H	
2106	H VI. 98	P IV^h. 24, 25	9 7	5 55	318.8	62.57	....	1783.13	H 1	
2107	H 673	DM (30°) 641	9 25	30 30	210±	18±	7 ...10	1820+	H	
2108	Σ 517	DM (0°) 721	9 51	0 9	13.1	3.64	7.5... 9.2	1830.98	Σ 3	*White*
2109	Σ 518	40 (o) *Eridani*	9 52	− 7 47	107.2	83.48	4.0...	1836.04	Σ 4	A and B 4.0 *very yel.*
					155.8	3.91	9.1...10.8	1851.22	OΣ 4	B and C
2110	Ho 328	DM (19°) 689	10 2	19 22	176.4	0.36	7.0... 7.0	1890.12	Ho 2	L 7963
2111	H 3632	O. Arg. S. 2930	10 20	−30 23	157±	12±	7½... 9	1835.9	H	
2112	Ho 507	W^2 IV^h. 154	10 23	37 17	32.1	4.91	8 ...11	1895.98	Ho 2	(See p. 1063) (*A. N.* 3557)
2113	Hu 817	DM (32°) 764	10 28	32 20	250.2	3.39	9.0...12.8	1902.83	Hu 1	(See p. 1063)
2114	β 548	L 8027	10 58	−10 23	347.0	6.24	7.0...11.5	1877.86	β 1	
2115	Σ 520	DM (22°) 670	11 6	22 31	98.7	0.96	8.0... 8.0	1837.10	Σ 2	*White*
2116	OΣ (App) 46	Rad^1. 1191, 1192	11 25	55 14	159.7	98.77	7.0... 7.3	1875.14	Δ 2	
2117	H 674	....	11 45	33 37	220±	12±	11 = 11	1820+	H	
2118	Σ 519 *rej.*	DM (50°) 976	11 52	50 5	346.8	18.50	7.5... 9.0	1892.96	Es 2	
2119	A. G. 79	A. G. Lund 2206	11 52	40 12	110.3	25.40	9.0... 9.3	1902.70	β 2	
2120	β 1234	W^2 IV^h. 205	11 56	21 1	205.5	1.77	8.3...12.6	1891.82	β 3	
2121	S 445	DM (49°) 1162	11 56	49 58	326.5	75.22	7½... 8	1823.97	S 2	A and B
					259.9	148.72	...10	1824.34	S 3	A and C
2122	H 3633	SD (17°) 838	11 59	−17 6	9.1	25±	10 ...10½	1835.9	H	
2123	H 23	....	12 5:	− 7 18:	272±	....	10 ...11	1820+	H	"Distance 30″–40″"
2124	H 3255	....	12 6	14 48	134.6	12±	11 = 11	1831+	H	
2125	Σ 525 *rej.*	W^1 IV^h. 217	12 34	− 2 59	243.6	44.05	8.0... 9.0	1879.66	Cin 1	A and B
					168.3	7.29	... 9.5	1879.66	Cin 1	B and C
2126	Σ 523	DM (23°) 672	12 34	23 27	165.0	10.29	7.2... 9.2	1829.70	Σ 2	7.2 *very wh.*
2127	H 5460	....	12 38	31 32	90±	4±	12 = 12	1823+	H	
2128	OΣ (App) 49	L 8090	12 41	1 29	144.9	102.94	7.0... 7.2	1875.33	Δ 3	
2129	Σ 521	DM (49°) 1165	12 44	49 45	252.8	2.02	7.2... 9.3	1830.20	Σ 3	*Very yel.: ash*
2130	Sh 40	φ *Tauri*	12 58	27 4	240.5	56.84	....	1821.94	Sh 1	*Red: bluish*
2131	Hu 213	DM (50°) 980	12 59	50 44	29.2	0.87	8.6...12.3	1900.83	Hu 3	(*A. J.* 494)
2132	H 1142	....	13 1	68 56	77.8	18±	9 ...10	1828+	H	
2133	H 675	....	13 2	6 5	55±	5±	12 ...13	1820+	H	
2134	OΣ 79	55 *Tauri*	13 3	16 14	24.3	0.76	7.0... 8.8	1846.06	OΣ 2	*Yel.: ash*
2135	Σ 527	L 8107	13 13	− 7 43	190.3	5.52	8.0...10.8	1831.39	Σ 3	8.0 *white*
2136	Σ 522	DM (51°) 912	13 18	51 19	37.8	1.54	8.5... 8.5	1831.22	Σ 3	
2137	H 3637	....	13 58	−27 1	....	35±	9½...10	1835.9	H	Angle est. 220° (1875)
2138	Hu 437	SD 15°) 765	14 4	−15 27	261.9	0.78	8.7...13.0	1901.92	Hu 3	(*Bul. L. O.* No. 21)
2139	Σ 524	O. Arg. N. 4728	14 6	49 17	54.7	6.70	8.5... 9.5	1830.20	Σ 3	8.5 *yel'sh*
2140	β 310	W^2 IV^h. 258	4 14 21	39 39	172.1	19.38	8.0...12.0	1878.02	Hl 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2141	H 2226	....	$4^h\ 14^m\ 24^s$	6° 11′	355°.7	10″±	10 ...11	1830+	H	"Neat"
2142	Hu 438	SD (16°) 838	14 43	−16 43	162.8	4.27	6.5...14.2	1901.92	Hu 3	(*Bul. L. O.* No. 21)
2143	Knott 2	U *Tauri*	14 49	19 32	202.1	3.10	9.9... 9.9	1868.01	Kn 2	
2144	Σ 532 *rej.*	W^1 IV^h. 282	15 12	−14 31	192.8	20±	9 ...11½	1837.0	H	(See p. 1064) From *Cape Obs'ns*
2145	Ho 508	W^2 IV^h. 276	15 13	35 12	222.2	3.81	8 ...12	1897.01	Ho 2	(*A. N.* 3557)
2146	OΣ 80	P IV^h. 46	15 15	42 9	188.6	0.52	6.5... 7.0	1848.44	OΣ 5	*White* (See p. 1064)
2147	Σ 528	χ *Tauri*	15 17	25 21	25.3	19.30	5.7... 7.8	1830.56	Σ 3	*Wh.: bluish wh.*
2148	A 472	SD (9°) 874	15 18	− 9 8	255.2	3.02	8.0...11.2	1903.92	A 2	(*Bul. L. O.* No. 50)
2149	β 87	P IV^h. 53	15 18	20 32	170.6	2.09	5.7... 8.8	1875.46	Δ 5	*Golden: blue*
2150	Ho 329	L 8168	15 19	− 0 23	65.7	32.97	6.0...13	1891.08	Ho 3	
2151	Σ 529	L 8141	15 28	28 7	19.1	4.44	8.4...10.2	1832.44	Σ 4	8.4 *yel'sh*
2152	Σ 526	DM (59°) 799	15 29	59 59	52.2	5.67	8.2... 8.7	1831.57	Σ 3	*White*
2153	See 36	SD (19°) 885	15 32	−19 37	347.0	7.92	6.8...13.7	1897.75	See 1	
2154	OΣ 82	W^1 IV^h. 286	15 56	14 46	230.4	1.04	7.0... 9.0	1848.66	OΣ 2	
2155	A 473	SD (6°) 885	16 12	− 6 8	197.7	2.56	9.0...14.7	1903.86	A 2	(*Bul. L. O.* No. 50)
2156	H 1143	....	16 13	70 29	71.2	8±	10 ...12	1828+	H	
2157	Σ 536	L 8222	16 13	− 4 58	152.4	1.78	8.1... 8.7	1832.80	Σ 4	*Very wh.*
2158	Σ 537	W^1 IV^h. 307	16 21	−10 14	334.0	14.99	8.1...11.2	1832.39	Σ 4	8.1 *yel.*
2159	β 744	*Eridani* 299	16 32	−26 1	306.6	0.79	7.6... 7.6	1891.78	β 3	A and B
					37.5	40±	6 ... 8	1835.9	H 1	A and D
					20±	25±	...(14)	1835.9	H	A and C
2160	Σ 533	DM (33°) 851	16 37	34 2	60.3	19.53	6.0... 7.5	1831.25	Σ 3	*White*
2161	Σ 535	*Tauri* 230	16 39	11 6	353.9	1.95	6.7... 8.2	1831.34	Σ 5	*Yel'sh: bluish*
2162	Σ 534	62 *Tauri*	16 45	24 1	289.7	28.88	6.2... 8.0	1831.40	Σ 3	6.2 *wh.*
2163	OΣ 81	56 *Persei*	16 51	33 41	53.0	4.49	6.0... 8.8	1847.86	OΣ 4	6.0 *yel.*
2164	Ho 15	W^2 IV^h. 320	16 55	29 51	147.2	0.81	8.0... 8.0	1882.13	Ho 2	
2165	Hu 303	DM (21°) 639	16 55	21 16	199.1	2.15	8.5...12.0	1901.79	Hu 2	(*Bul. L. O.* No. 12)
2166	Doo 7	DM (33°) 855	16 59	33 36	213.1	47.11	9.5...	1900.64	Doo 1	AB (*Pub. Flower Obsy.* I)
					216.8	2.76	10.0...10.5	1900.64	Doo 1	BC
2167	β 402	W^1 IV^h. 318	17 3	−1 33	74.0	6.94	8.5...10.5	1877.95	β 1	
2168	Σ 530	DM (53°) 769	17 5	53 13	199.6	14.16	8.5...11.0	1831.73	Σ 2	8.5 *yel.*
2169	Σ 531	DM (55°) 881	17 5	55 22	291.9	0.80	7.4... 8.6	1830.53	Σ 4	7.4 *wh.*
2170	Ho 330	DM (−0°) 695	17 16	− 0 24	19.6	1.17	9 ...11	1891.08	Ho 2	
2171	Hu 549	DM (50°) 989	17 17	51 3	167.0	1.71	8.8...10.5	1902.72	Hu 3	(*Bul. L. O.* No. 27)
2172	Hu 304	66 *Tauri*	17 19	9 11	23.9	0.25	5.9... 5.9	1901.39	Hu 3	(*Bul. L. O.* No. 12)
2173	H 342	W^1 IV^h. 327	17 19	− 5 17	238.2	19.53	9 ...10	1783.13	♅ 1	A and B
					90±	25±	...17	....	....	A and C
2174	β 1235	L 8235	17 20	22 28	60.8	0.35	8.4... 8.5	1891.84	β 3	
2175	Ho 331	L 8286	17 31	− 7 59	349.7	15.44	7.0...12.7	1890.97	Ho 2	
2176	H 2229	....	17 39	− 5 51	247±	4±	9–10...11–12	1830+	H	
2177	Σ 9, App. I	κ^1 *Tauri*	18 12	22 1	172.6	339.28	5.0... 6.0	1836.21	Σ 5	*Yel'sh wh.: wh.*
2178	Σ 541 *rej.*	....	18 14	21 58	327.2	4.94	11.2...11.8	1874.11	Δ 4	A and B
					170.2	184.27	....	1873.88	Δ 3	AB and κ^1
					355.6	156.79	....	1873.88	Δ 3	AB and κ^2
2179	Hu 608	DM (35°) 867	18 19	35 28	173.6	0.38	8.4... 8.8	1902.79	Hu 2	
2180	H 343	....	18 23	28 38	130±	12±	8–9...10	1820+	H	A and B
					130±	20±	...11	1820+	H	A and C
					90±	20±	...12	1820+	H	A and D
2181	Hu 609	DM (34°) 878	18 25	34 27	10.5	0.17	8.1... 8.6	1902.78	Hu 3	
2182	H 676	DM (32°) 790	18 30	32 56	245±	8±	10 ...11	1820+	H	A and B
					225±	12±	...10	1820+	H	C and A
2183	♅ VI. 101	δ *Tauri*	18 33	17 38	234.6	63.62	....	1783.74	♅ 1	A and B
					320±	Cl. VI	....	....	♅	A and C
2184	H 3647	SD (18°) 827	18 37	−18 22	30±	25±	10...10..11	1834+	H	"An equilateral triangle"
2185	Σ 543	SD (5°) 903	18 40	− 5 9	191.2	4.77	8.5...10.5	1831.73	Σ 3	8.5 *wh.*
2186	H 2227	....	4 18 50	75 3	283.5	7±	10 ...13	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2187	β 1185	W^2 IV^h. 376	4^h 18^m 52^s	18°35′	25°6	0″16	7.8... 8.4	1890.70	β 4	
2188	Σ 544	SD (9°) 892	18 57	− 9 1	356.7	2.14	8.3... 9.2	1831.72	Σ 3	8.3 *wh.*
2189	Σ 542	DM (45°) 936	19 0	45 59	102.2	21.22	8.2... 9.7	1830.73	Σ 3	8.2 *yel'sh*
2190	H 2230	DM (2°) 705	19 9	2 5	325.7	30±	9 ... 9–10	1830+	H	*Yellow: pale blue*
2191	H 677	DM (0°) 749	19 10	1 1	105±	1½–2	10 ...11	1820+	H	
2192	β 745	DM (53°) 772	19 11	53 38	134.1	0.52	8.3... 8.3	1891.86	β 2	
2193	Σ 538	DM (63°) 504	19 17	63 58	218.1	7.28	8.5... 9.7	1830.57	Σ 3	
2194	β 403	W^1 IV^h. 379	19 18	− 2 20	100.9	2.01	7.7... 9.1	1877.09	Δ 5	
2195	H 3256	....	19 30	13 43	238.0	3±	11 ...11–12	1831+	H	"The *nf* of two"
2196	Hd 67	71 *Tauri*	19 30	15 21	70±	....	....	....	Hd	
2197	H 2228	Rad^1. 1221	19 36	72 16	231.7	40±	6 ...13	1830+	H	
2198	Σ 547	W^1 IV^h. 383	19 48	− 1 40	344.3	4.25	8.5...11.5	1831.39	Σ 3	
2199	Σ 540	DM (63°) 506	19 53	63 9	181.5	2.85	8.3...10.0	1830.27	Σ 3	8.3 *yel.*
2200	Σ 546	L 8336	20 0	18 51	189.9	6.65	7.7... 9.5	1836.07	Σ 3	7.7 *yel'sh*
2201	Σ 545	DM (17°) 724	20 8	17 56	57.0	19.13	7.5... 9.3	1830.80	Σ 4	7.5 *wh.*
2202	H 678	DM (8°) 690	20 18	8 26	5±	5±	10 ...11	1820+	H	
2203	H 1144	....	20 22	68 7	145.3	8±	10 ...12	1828+	H	
2204	H 3257	....	20 34	39 7	70±	15±	10 ...11	1831+	H	"P est. from diagram"
2205	Kr 23	A. G. Hels. 3573	20 35	55 14	132.0	4.15	9.0... 9.3	1890.77	β 1	
2206	H 3258	....	20 42	39 10	85±	10±	11 ...11	1831+	H	"P est. from diagram"
2207	β 1186	*Tauri* 248	20 51	10 56	182.1	0.59	6.8... 9.7	1890.92	β 3	
2208	Hu 439	DM (21°) 648	21 4	22 4	183.8	0.67	8.6...11.5	1901.84	Hu 3	(*Bul. L. O.* No. 21)
2209	Σ 549	DM (9°) 584	21 16	9 45	157.5	25.16	8.0...10.2	1831.53	Σ 2	8.0 *yel'sh*
2210	Σ 548	W^2 IV^h. 421	21 18	30 6	35.9	14.20	6.0... 8.0	1831.40	Σ 3	*Yel'sh: bluish*
2211	Hu 550	DM (49°) 1191	21 30	49 58	307.8	0.52	9.0...13.0	1902.72	Hu 2	(*Bul. L. O.* No. 27)
2212	Σ 10, App. I	θ^1 and θ^2 *Tauri*	21 42	15 42	346.2	337.39	4.7... 5.0	1836.13	Σ 5	*Wh.: yel'sh*
2213	β 311	*Eridani* 315	21 52	−24 21	146.9	1.06	6.5... 7.0	1877.61	Cin 1	
2214	A 474	SD (9°) 901	21 54	− 9 49	170.1	0.89	8.8...11.3	1903.93	A 3	(*Bul. L. O.* No. 50)
2215	H 2233	....	22 4	4 49	305.6	12±	10 ...11	1830+	H	
2216	O. Stone 7	SD (19°) 925	22 7	−19 10	183.8	5.04	9.5... 9.9	1876.03	Cin 2	
2217	Hu 440	SD (17°) 883	22 8	−17 23	327.1	2.16	8.2...10.2	1901.92	Hu 3	(*Bul. L. O.* No. 21)
2218	H 2232	....	22 27	47 2	327.4	14±	10 ...12	1830+	H	
2219	Innes 413	Cord. G. C. 4996	22 31	−24 43	349.8	0.80	8 ...	1902.16	I 1	
2220	Σ 550	1 *Camelopardali*	22 32	53 39	307.1	10.13	5.1... 6.2	1830.57	Σ 7	*Wh.: bluish wh.*
2221	H 1145	....	22 33	69 13	125.1	2½ ±	11 = 11	1828+	H	
2222	β 184	L 8474	22 45	−21 46	262.5	1.10	6.2... 7.0	1877.53	Cin 2	
2223	H 3649	....	22 47	−14 15	168.5	25±	10 = 10	1836.9	H	
2224	Σ 551	DM (51°) 944	22 54	51 56	126.4	13.74	8.5... 9.0	1830.75	Σ 2	
2225	OΣ 83	W^2 IV^h. 457	22 56	32 11	....	obl ?	6 ...	1842.70	OΣ	
2226	β 549	W^1 IV^h. 458	23 2	−12 13	189.0	7.85	8.0...12.5	1877.97	β 2	
2227	H 2231	....	23 5	70 34	338.6	6±	12 = 12	1830+	H	
2228	Ku 18	DM (30°) 671	23 8	30 25	62.0	1.59	9.8...10.1	1901.57	Ku 2	Kustner (3821)
2229	Σ 552	W^2 IV^h. 461	23 12	39 45	114.4	8.96	6.3... 6.5	1831.05	Σ 5	*Very wh.*
2230	Σ 554	80 *Tauri*	23 17	15 23	12.9	1.74	6.5... 9.0	1831.18	Σ 4	
2231	β 789	L 8426	23 30	37 24	322.6	1.30	8.1... 8.8	1881.69	β 3	
2232	Σ 556 *rej.*	DM (4°) 700	23 50	5 2	287.1	3±	10 ...10+	1830+	H	
2233	O. Stone 8	L 8521	23 55	−25 28	350.8	7.07	7 ... 9	1876.00	Cin 5	
2234	Σ 553	DM (50°) 1013	24 4	50 48	133.3	3.15	8.0... 8.5	1831.22	Σ 3	*White*
2235	A. G. 80	A. G. Lund 2278	24 12	36 14	1.1	15.81	9.3... 9.7	1902.70	β 2	
2236	OΣ 84	L 8513	24 39	6 32	255.1	9.49	6.8... 7.7	1847.41	OΣ 3	*Yel.: blue*
2237	H 1146	Rad^1. 1245	24 39	71 13	15.8	15±	8–9...12	1828+	H	
2238	A 475	SD (7°) 828	24 54	− 6 57	302.1	1.79	9.0...12.2	1903.93	A 3	(*Bul. L. O.* No. 50)
2239	Sh 44	57 *Persei*	24 58	42 48	198.9	110.19	....	1821.91	Sh 1	
2240	H 3653	O. Arg. S. 3129	25 7	−16 43	148.5	40±	8 ... 8½	1835.9	H	
2241	H 24	SD (7°) 830	25 15	− 7 42	60±	25±	9 ...12	1820+	H	
2242	Hu 551	DM (50°) 1016	4 25 28	50 45	310.4	1.70	7.3...11.2	1902.72	Hu 3	(*Bul. L. O.* No. 27)

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2243	**H 1147**	....	4^h 25^m 43^s	68°48′	248°3	15″±	9 ...11–12	1828+	H	
2244	**Σ 560** *rej.*	L 8575	25 53	−13 54	....	Cl. IV	6–7... 9–10	....	Σ	
2245	**See 37**	Cord. G. C. 5072	26 0	−25 14	21.2	11.95	7.5...11.0	1897.76	See 1	
2246	**H 2234**	W^1 IV^h. 523	26 7	− 9 6	269.5	35±	9–10... 9–10	1830+	H	
2247	**Hd —**	....	26 11	1 2	237.5	2.17	10.7...12	1901.77	β 2	
2248	**H VI. 64**	L 8588	26 27	− 3 28	110±	112.00	....	1783.04	H 1	
2249	**Σ 557**	O. Arg. N. 4921	26 35	62 44	126.1	23.43	8.0... 8.7	1831.28	Σ 2	*White*
2250	**Σ 559**	W^2 IV^h. 542	26 36	17 46	278.7	3.03	7.0... 7.0	1830.67	Σ 4	*Very wh.*
2251	**H 5461**	B. A. C. 1408	27 7	28 41	100±	30±	6 ... 9	1827.1	H	A and B } *White:*
					140±	60±	...10	....	....	A and C } *purple*
2252	**β 746**	Cord. G. C. 5107	27 13	−36 10	30±	1.2±	8.0... 9.0	1879.79	β	
2253	**S 451**	Rad^1. 1262	27 25	47 7	195.7	60.45	7½... 8	1825.10	S 2	
2254	**Σ 564**	SD (12°) 922	27 28	−12 23	346.8	3.44	8.8... 9.0	1831.72	Σ 3	*White*
2255	**Σ 562**	*Tauri* 278	27 35	22 27	269.6	2.05	7.0...10.7	1830.86	Σ 3	7.0 *yel.*
2256	**Lewis 4**	....	28 :	19 43	190.4	0.39	7.5... 8.0	1901.10	L 1	
2257	**OΣ 85**	Rad^1. 1264	28 12	48 9	23.6	1.07	7.5...10.0	1846.70	OΣ 2	
2258	**A 113**	L 8634	28 15	− 4 49	343.0	3.80	8.2...12.8	1901.07	A 3	
2259	**H 1148**	....	28 17	68 15	117.7	6±	10 = 10	1828+	H	
2260	**Σ 563**	DM (40°) 999	28 21	40 50	29.8	11.71	8.0... 9.7	1828.72	Σ 2	8.0 *yel'sh. wh.*
2261	**H 344**	DM (33°) 883	28 26	33 41	95±	10±	10 ...14	1820+	H	
2262	**Hu 610**	DM (33°) 884	28 34	33 58	28.4	0.15	8.5... 8.8	1902.79	Hu 2	
2263	**Kr 24**	A. G. Hels. 3656	28 40	56 41	238.7	3.54	9.5... 9.5	1890.77	β 1	
2264	**Hu 611**	DM (53°) 793	28 48	53 32	16.3	0.75	8.5...12.0	1902.69	Hu 3	
2265	**β 747**	Lac. 1518	28 50	−38 32	240±	2.5	7.5... 9.5	1879.79	β	
2266	**β 550**	α *Tauri* (Aldebaran)	29 2	16 16	109.0	30.45	1 ...13.5	1877.89	β 3	A and B }
					36.0	109.04	...11.2	1836.06	Σ 2	A and C } CD = β 1031
					281.1	2.34	...13.6	1888.91	β 3	C and D }
2267	**Sh 45**	88 *Tauri*	29 3	9 55	299.0	69.45	5 ... 8	1822.88	Sh 1	
2268	**β 881**	46 *Eridani*	29 4	− 7 0	57.0	1.47	6.0...10.8	1879.02	β 4	
2269	**Σ 570**	L 8683	29 31	− 9 59	258.9	12.77	7.0... 8.0	1830.73	Σ 3	*Wh: bluish*
2270	**OΣ 86**	L 8654	29 33	19 31	78.6	0.55	7.5... 7.5	1845.67	OΣ 2	
2271	**OΣ 87**	W^1 IV^h. 601	29 39	7 59	234.6	6.20	7.5... 9.2	1846.51	OΣ 2	
2272	**Σ 567**	W^2 IV^h. 611	29 40	19 15	302.9	1.43	8.5... 9.0	1831.18	Σ 3	*Yel.*
2273	**Σ 569**	W^1 IV^h. 602	29 41	8 58	132.8	7.90	8.2... 8.7	1831.05	Σ 3	*White*
2274	**Σ 565**	L 8630	29 42	41 53	180.3	1.61	7.2... 8.5	1831.61	Σ 5	*Yel'sh: bluish*
2275	**Hu 305**	DM (20°) 783	29 50	20 48	277.0	2.21	9.0...10.2	1901.79	Hu 2	(*Bul. L. O.* No. 12)
2276	**H 3664**	O. Arg. S. 3200	29 56	−25 17	193±	20±	8½...10½	1835.9	H	
2277	**Σ 571**	SD (3°) 830	30 3	− 3 51	258.7	17.84	6.3...11.0	1830.74	Σ 3	6.3 *very wh.*
2278	**Σ 568** *rej.*	DM (39°) 1037	30 22	39 13	....	Cl. IV	8 ...11	....	Σ	(See p. 1064)
2279	**β 1295**	2 *Camelopardali*	30 27	53 14	140.4	0.21	5 ... 7	1901.80	β 4	A and B }
					311.4	1.58	5.1... 7.4	1829.79	Σ 4	AB and C } *Yel.: bluish*
					209.8	23.66	...13.2	1888.92	β 3	AB and D }
2280	**β 1043**	3 *Camelopardali*	30 28	52 50	297.3	3.92	5 ...12	1888.92	β 3	
2281	**Σ 555** *rej.*	....	30 35:	81 17:	....	Cl. IV	8–9...10	....	Σ	(See p. 1064) From *Cat. Novus*
2282	**Σ 561** *rej.*	O. Arg. N. 4973	30 50	74 1	....	Cl. IV	8–9...11	....	Σ	From *Cat. Novus* (See p. 1064)
2283	***Δ* 4**	O. Arg. N. 5001	30 54	53 14	264.4	5.74	8.8... 9.8	1870.02	Δ 3	
2284	**Σ 572**	*Aurigae* 4	31 4	26 42	210.3	3.17	6.5... 6.5	1830.56	Σ 3	*Yel'sh*
2285	**OΣ (App) 53**	W^1 IV^h. 644	31 16	0 20	172.3	78.13	7.0... 7.2	1876.33	Δ 3	
2286	**β 185**	L 8745	31 24	−15 10	235.4	3.00	8.1...11.1	1875.78	Δ 4	
2287	**β 88**	51 *Eridani*	31 34	− 2 43	90.1	32.38	5.7...12.2	1891.88	β 2	
2288	**Weisse 4**	W^2 IV^h 647	31 42	42 6	112.0	2.45	9.0... 9.1	1901.72	β 2	
2289	**Espin 56**	DM (58°) 766	32 0	58 31	205.3	9.9	8.5... 8.8	1901	Es	(*A. N.* 3784)
2290	**H 681**	....	32 3	35 20	325±	7±	10–11..10–11	1820+	H	
2291	**H 1149**	....	32 11	69 18	194.8	16±	10 ...11	1828+	H	
2292	**See 38**	Cord. G. C. 4^h. 1080	32 22	−29 32	232.7	6.53	7.1...11.3	1897.83	See 1	
2293	**Σ 11, App. I**	σ^1 and σ^2 *Tauri*	4 32 24	15 41	192.3	427.70	5.2... 5.7	1836.22	Σ 5	*Wh.*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2294	Σ 576	SD (13°) 937	$4^h\ 32^m\ 26^s$	−13°16′	172°0	12″31	6.7... 7.2	1830.83	Σ 3	*Yel'sh wh.*
2295	Hu 441	DM (20°) 791	32 30	20 31	50.3	1.79	9.0...11.0	1901.86	Hu 3	(*Bul. L. O.* No. 21)
2296	Σ 575	W^1 IV^h. 677	32 32	− 0 38	161.2	4.70	8.8... 9.8	1831.40	Σ 3	*White*
2297	β 882	SD (11°) 921	32 32	−11 38	231.6	2.04	8.8...10.0	1880.08	β 1	
2298	H 1150	....	32 41	69 17	230±	4±	14 = 14	1828+	H	
2299	Hu 442	DM (22°) 728	32 47	22 46	333.8	0.41	9.0... 9.6	1901.86	Hu 3	(*Bul. L. O.* No. 21)
2300	H 2235	....	32 47	71 13	153.0	30±	9–10=9–10	1830+	H	
2301	Lewis 5	....	33 :	26 42	213.4	0.82	8.0... 9.0	1899.15	L 1	
2302	β 1044	DM (16°) 637	33 1	16 17	218.5	1.03	9.0...11.0	1888.91	β 3	
2303	Σ 574	DM (52°) 872	33 28	52 55	311.6	3.94	8.2...10.0	1830.87	Σ 3	8.2 *white*
2304	H 346	B. A. C. 1444	33 49	28 23	55±	30±	6 ...10	1820+	H	
2305	Σ 578	W^1 IV^h. 712	33 50	3 5	24.6	11.26	9.0... 9.7	1831.12	Σ 2	
2306	H 25	....	33 58:	− 7 4:	310±	15±	9 ...11	1820+	H	
2307	Σ 577	W^2 IV^h. 700	34 9	37 17	98.7	1.58	7.7 = 7.7	1829.57	Σ 3	*White*
2308	H 347	....	34 19	28 25	335±	20±	9 ...11	1820+	H	
2309	β 1236	L 8833	34 27	−21 29	118.3	1.42	7.8...10.8	1891.84	β 3	A and B
					314.1	40.24	... 8.5	1891.84	β 3	A and C
2310	Σ 579	DM (22°) 735	34 32	22 30	30.1	16.48	8.5...10.7	1831.49	Σ 2	8.5 *yel'sh red*
2311	Howe 11	O. Arg. S. 3270	34 33	−20 8	98.8	3.48	8.5... 9.0	1877.11	Cin 1	
2312	Σ 583	DM (0°) 817	34 45	0 44	328.2	5.70	7.8... 9.4	1831.10	Σ 4	A and B 7.8 *wh.*
					264.0	104.4	...(15)	1825.01	S 1	A and C
2313	S 455	τ *Tauri*	35 2	22 44	211.5	62.82	5 ... 8½	1824.00	S 2	
2314	O. Stone 9	54 *Eridani*	35 12	−19 54	161.3	0.34	5.7... 6.0	1877.11	Δ 3	
2315	H 348	W^2 IV^h. 729	35 15	33 42	282±	28±	8 ...12	1820+	H	
2316	Σ 582	DM (42°) 1033	35 37	42 12	23.9	5.54	7.3...10.0	1831.42	Σ 3	A and B
2317	Σ 581 *rej.*	....			159.8	7.54	10.5...10.5	1904.09	β 1	C and D 7.3 *yel'sh*
					141.2	97.2	....	1904.09	β 1	A and C
2318	H 3677	O. Arg. S. 3295	35 44	−29 49	173.9	8±	9 = 9	1834+	H	
2319	Ho 332	DM (20°) 807	35 47	20 25	125.9	1.03	9 ... 9	1891.08	Ho 2	(*A. N.* 3233)
2320	Ho 333	DM (19°) 764	36 2	20 1	161.6	1.71	9 ... 9.3	1891.08	Ho 3	
2321	H 2237	....	36 9	47 26	126.9	15±	9–10...12–13	1820+	H	
2322	A. G. 81	DM (6°) 738	36 18	6 16	280.1	37.47	9.6... 9.7	1895.21	Lp	
2323	Σ 585	DM (4°) 733	36 21	4 29	275.9	12.11	8.3...11.5	1831.79	Σ 3	
2324	Hu 552	DM (54°) 810	36 45	54 53	236.6	1.25	8.8... 9.5	1901.80	Hu 3	(*Bul. L. O.* No. 27)
2325	Espin 13	DM (43°) 1047	36 48	43 34	217.5	17.75	7.0...14	1900.00	Es 2	(*A. N.* 3717)
2326	H 26	....	36 58:	− 6 42	305±	10±	9 ...11	1820+	H	
2327	A 476	SD (7°) 882	37 18	− 7 38	152.5	0.45	8.7... 9.0	1903.81	A 3	(*Bul. L. O.* No. 50)
2328	H 2238	....	37 25	− 9 1	76.4	18±	15 ...16	1830+	H	
2329	Σ 588 *rej.*	L 8912	37 32	− 9 50	....	Cl. IV	8 ...10–11	....	Σ	From *Cat. Nov.*
2330	Σ 590	55 *Eridani*	37 50	− 9 1	318.3	9.13	6.2... 6.7	1831.17	Σ 4	*Yel'sh: wh.*
2331	A 114	SD (5°) 1011	37 50	− 5 21	313.3	3.75	8.8...13.6	1900.41	A 3	
2332	Hall	DM (1°) 809	37 53	1 51	157.9	2.29	9 ...10	1888.10	Hl 3	
2333	Σ 584	DM (66°) 353	38 8	66 19	121.6	11.74	7.5...10.2	1831.28	Σ 2	7.5 *yel'sh*
2334	H 2236	....	38 13	72 44	248.8	15±	10 ...13	1830+	H	
2335	Hu 612	DM (53°) 813	38 18	53 5	198.4	0.22	6.7... 8.7	1902.69	Hu 3	
2336	Σ 589	W^1 IV^h. 804	38 27	5 4	310.9	4.47	8.0... 8.0	1831.39	Σ 3	*Yel'sh wh.*
2337	H 3259	....	38 30	27 7	143.4	3±	10 ...12	1831+	H	
2338	Σ 587	DM (52°) 880	38 31	52 54	185.0	20.95	7.0... 8.5	1830.55	Σ 3	*Wh.: bluish*
2339	A. G. 82	A. G. Chris. 779	38 48	66 24	121.4	26.72	9.1... 9.9	1891.84	β 2	
2340	....	DM (21°) 694	38 51	21 3	114.2	5.40	9.1...10.5	1901.78	β 2	
2341	H 1151	....	39 2	70 40	7.2	10±	10 ...13	1828+	H	A and B
					328.4	13±	...14	1828+	H	A and C
2342	H 682	DM (6°) 750	39 22	6 54	130±	20±	9 = 9	1820+	H	
2343	Σ 591 *rej.*	DM (39°) 1065	39 27	40 1	22.6	35.52	8.5...12	1904.08	β 2	
2344	Σ 592 *rej.*	DM (40°) 1051	39 36	40 5	238.5	17.53	9.5...10.8	1904.09	β 2	
2345	H 2239	....	4 39 26	45 58	164.9	12±	10 ...11	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2346	H 27	SD (5°) 1021	$4^h\ 39^m\ 37^s$	− 5°27′	225° ±	75″ ±	9 ... 9+	1820+	H	B = SD (5°) 1020
2347	H 683	DM (0°) 838	39 41	0 10	10 ±	20 ±	....	1820+	H	A and B
					310 ±	30 ±	....	1820+	H	A and C
2348	Σ 593 *rej.*	....	40 :	21 13:	....	Cl. IV	8–9... 8–9	....	Σ	
2349	H 349	DM (34°) 908	40 7	34 34	87 ±	8 ±	10 ...10+	1820+	H	
2350	β 186	L 8986	40 10	− 7 12	174.1	2.00	8.2...11.0	1875.82	Δ 3	
2351	Hu 104	W^1 IV^h. 848	40 15	−12 10	264.2	0.96	7.7...11.5	1900.10	Hu 2	A and B 8.0 *yel'sh wh.*
					280.8	11.12	8.0...10.2	1831.15	Σ 2	AB and C
2352	Hu 443	DM (21°) 701	40 28	21 58	283.4	0.48	9.2... 9.8	1901.92	Hu 3	(*Bul. L. O.* No. 21)
2353	A 2	SD (4°) 938	40 37	− 4 50	179.9	0.92	9.4...10.3	1900.09	A 2	(*A. N.* 3635)
2354	H 3260	....	40 51	14 24	65.3	12 ±	10 = 10	1831+	H	
2355	Σ 597 *rej.*	DM (12°) 649	40 55	12 54	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
2356	Σ 594 *rej.*	W^2 IV^h. 875	41 16	39 3	....	Cl. II	8–9...10	....	Σ	From *Cat. Nov.*
2357	Σ 598	W^2 IV^h. 902	41 37	17 36	318.7	9.52	8.2... 9.7	1828.15	Σ 2	*Yel'sh wh.: bluish*
2358	H 684	....	41 51	10 43	265 ±	15 ±	10 ...11	1820+	H	A and B
					300 ±	7 ±	11 ...12	1820+	H	C and D
2359	Arg. 11	SD (17°) 952	41 53	−17 28	235.2	29.86	8.4... 8.8	1903.96	β 2	
2360	Hu 214	SD (10°) 1013	42 7	−10 55	234.9	4.93	8.8...10.5	1900.13	Hu 1	(*A. J.* 494)
2361	A 477	SD (6°) 992	42 14	− 6 38	170.7	0.39	9.3... 9.3	1903.81	A 3	(*Bul. L. O.* No. 50)
2362	H 3687	W^1 IV^h. 877	42 16	− 8 55	282.8	25 ±	9 ...11	1836.9	H	
2363	Σ 599	DM (44°) 1036	42 24	44 46	335.1	10.32	8.0... 9.3	1831.76	Σ 3	8.0 *wh.*
2364	H 2240	SD (4°) 946	42 29	− 4 55	168.0	12 ±	9 ...13	1830+	H	
2365	See 39	....	42 31	−21 2	279.8	2.62	10.2...11.2	1897.75	See 1	(*A. J.* 431)
2366	β 312	L 9065	42 36	−21 1	345.7	3.35	8.0... 9.5	1876.03	Hl 2	
2367	OΣ (App) 55	DM (4°) 754	42 45	5 0	15.9	37.74	8.0... 8.8	1875.65	Δ 3	Δ (I) (See p. 1064)
2368	β 551	96 *Tauri*	42 52	15 42	57.2	30.75	6 ...	1878.09	β 1	A and B
					205.7	6.26	11.0...12.8	1878.09	β 1	B and C
2369	H 3690	SD (12°) 997	42 56	−11 58	45 ±	18 ±	8 ...14	1836.9	H	A and B
					195 ±	30 ±	...11	1836.9	H	A and C
2370	Hu 553	DM (51°) 985	43 3	51 10	80.3	3.14	8.8...11.0	1902.72	Hu 2	(*Bul. L. O.* No. 27)
2371	H 350	....	43 18	34 35	310 ±	2 ±	11 ...11+	1820+	H	
2372	H 685	....	43 18	− 0 7	50 ±	4 ±	13 ...13	1820+	H	(See p. 1064)
2373	Σ 600 *rej.*	DM (60°) 843	43 34	60 23	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
2374	Hu 554	DM (49°) 1262	43 37	49 51	310.9	2.01	9.0...10.5	1902.71	Hu 3	(*Bul. L. O.* No. 27)
2375	Σ 609	DM (0°) 865	43 40	0 57	82.1	1.94	8.5... 8.7	1832.09	Σ 3	*Yel.*
2376	Σ 558	Redhill 670	43 43	86 44	198.6	3.04	8.4... 9.9	1833.00	Σ 4	8.4 *yel'sh wh.*
2377	Hu 818	DM (55°) 938	44 1	55 51	72.7	0.39	8.5... 8.8	1902.70	Hu 1	(See p. 1064)
2378	Σ 605 *rej.*	....	44 12	15 10	....	Cl. II	9 ... 9	....	Σ	
2379	H VI. 83	DM (6°) 765	44 12	6 37	1.7	80.97	....	1783.79	H 1	
2380	Hu 31	SD (10°) 1026	44 23	− 9 59	333.8	1.05	8.5... 9.0	1900.10	Hu 3	(*A. J.* 480)
2381	β 883	L 9091	44 33	10 52	17.5	0.35	7.0... 7.0	1879.00	β 1	A and B
					148.5	18.35	...14	1879.00	β 1	AB and C
2382	Hu 819	DM (35°) 917	44 58	35 36	296.4	0.24	8.2... 8.8	1902.75	Hu 1	(See p. 1064)
2383	β 552	*Orionis* 11	45 4	13 27	360 ±	0.8 ±	7 ...10	1877.97	β 1	
2384	H 687	....	45 4	8 15	87 ±	10–12	10 ...10–11	1820+	H	
2385	Σ 603	O. Arg. N. 5251	45 6	49 23	238.6	8.42	8.0... 8.2	1830.23	Σ 3	*Very wh.*
2386	β 1187	5 *Camelopardali*	45 14	55 4	245.2	12.89	5.5...12.8	1890.78	β 3	
2387	H 3093	SD (12°) 1007	45 23	−12 27	116.3	4 ±	10 ...12	1836.9	H	
2388	H 28	....	45 30:	− 6 25:	205 ±	10 ±	11 ...11+	1820+	H	
2389	Σ 607	DM (25°) 744	45 47	25 18	249.9	14.21	9.0...10.8	1831.19	Σ 3	
2390	Hu 444	DM (21°) 717	45 52	22 2	199.5	4.57	8.5...14.0	1901.92	Hu 3	(*Bul. L. O.* No. 21)
2391	Σ 573 *rej.*	....	46 ±	85 57:	....	Cl. IV	8–9... 9	....	Σ	From *Cat. Nov.*
2392	β 748	SD (8°) 961	46 4	− 8 3	131.4	1.03	9.0... 9.0	1879.68	β 2	
2393	Σ 602	DM (69°) 285	46 4	69 6	134.4	29.11	8.3... 9.5	1829.97	Σ 3	*White*
2394	OΣ 88	Rad^1. 1337	46 22	61 33	302.4	0.69	6.5... 8.2	1854.01	OΣ 4	*Yellow: ash*
2395	β 1237	L 9145	4 46 28	23 21	58.6	4.32	8.0...10.6	1891.81	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2396	Σ 604	DM (69°) 286	4^h 46^m 46^s	69° 52	39°9	2″18	8.1... 8.9	1830.30	Σ 4	*White*
2397	Hu 555	L 9113	46 52	51 54	309.6	0.16	8.5... 8.7	1902.71	Hu 3	A and B } AC *white*
					115.5	3.87	7.8... 9.2	1831.22	Σ 3	AB and C
2398	β 316	L 9181	46 52	− 5 29	176.8	1.18	8.1... 8.2	1876.60	Δ 4	
2399	A 478	SD (6°) 1012	46 55	− 6 29	30.8	3.74	8.8...12.7	1903.81	A 3	(*Bul. L. O.* No. 50)
2400	S 457	W^1 IV^h. 992	46 59	− 1 28	353.7	41.49	8½... 8¾	1824.42	S 3	
2401	H 351	DM (33°) 918	47 3	33 59	135 ±	6 ±	10 ...12	1820+	H	A and B
					70 ±	12 ±	...18	1820+	H	A and C
					55 ±	25 ±	....	1820+	H	A and D
					225 ±	40 ±	....	1820+	H	A and E } (See p.1064)
2402	Σ 611 *rej.*	DM (21°) 721	47 15	21 32	....	III–IV	8–9...11	....	Σ	From *Cat. Nov.*
2403	Espin 57	DM (47°) 1075	47 24	47 27	....	3 ±	10 ...10	1901	Es	(*A. N.* 3784)
2404	Kr 25	A. G. Hels. 3815	47 27	56 27	109.5	2.65	9.0... 9.5	1890.77	β 1	
2405	Σ 606	DM (69°) 290	47 29	69 14	298.2	37.50	8.0... 8.8	1829.97	Σ 3	*White*
2406	Δ 5	7 *Camelopardali*	47 41	53 34	309.1	1.24	4.6... 7.9	1865.38	Δ 8	A and B } 4.6 *wh.*
					238.3	25.65	...11.3	1831.57	Σ 3	A and C } AC=Σ 610
2407	Σ 612	....	47 46	7 11	196.9	16.60	7.6... 7.9	1831.58	Σ 4	*White*
2408	H 29	SD (6°) 1017	47 49	− 6 30	295 ±	30 ±	9 ...10	1820+	H	
2409	Hu 32	SD (10°) 1026	47 54	−10 43	248.5	0.98	9.0... 9.1	1900.11	Hu 3	(*A. J.* 480)
2410	See 41	Cord. G. C. 5548	48 0	−30 52	122.7	9.35	7.5...13.9	1897.83	See 1	
2411	H 3700	O. Arg. S. 3467	48 2	−20 58	345.3	20 ±	7 ...14	1835.9	H	
2412	H 688	....	48 6	27 57	177 ±	5 ±	11 = 11	1820+	H	
2413	Σ 595	Redhill 701	48 22	82 19	133.3	3.07	8.8...11.3	1833.24	Σ 3	
2414	H 3262	....	48 24	14 39	228.5	15 ±	9–10...10	1831+	H	
2415	OΣ 90	W^1 IV^h. 1028	48 25	8 24	343.9	2.05	7.0... 9.0	1845.50	OΣ 2	*Wh.: ash*
2416	H 3702	O. Arg. S. 3447	48 42	−25 21	221.0	21.0	9 ...10½	1836.9	H	
2417	H 3263	....	48 42	16 42	298.8	3½ ±	11 ...11–12	1831+	H	
2418	H 2242	....	48 42	− 9 32	14.2	18 ±	11 ...11	1830+	H	
2419	H 2241	O. Arg. N. 5319	48 49	47 49	82.5	9 ±	10 = 10	1830+	H	
2420	Σ 614	W^1 IV^h. 1045	48 56	− 0 44	68.4	4.15	8.5... 8.9	1832.10	Σ 5	*White*
2421	β 313	L 9114	49 12	68 59	250 ±	10 ±	6.5...11.5	1874.98	β 1	
2422	Ho 16	DM (33°) 929	49 16	34 2	28 ±	0.6 ±	8.5...11	1885.91	Ho	
2423	H 352	SD (4°) 973	49 20	− 4 3	340 ±	15 ±	9 ...10	1820+	H	
2424	H 2243	SD (5°) 1082	49 23	− 5 2	335 ±	3 ±	10 = 10	1830+	H	"Neat"
2425	OΣ 89	P IV^h. 207	49 33	73 53	305.9	0.45	6.2... 7.6	1848.28	OΣ 5	
2426	β 553	o^2 *Orionis*	49 37	13 19	47.7	28.58	5 ...12	1877.86	β 2	
2427	β 404	DM (8°) 805	49 50	8 58	111.8	1.56	9.1... 9.3	1877.11	Δ 4	
2428	OΣ 91	L 9268	49 57	2 59	62.8	0.77	7.0... 7.5	1851.85	OΣ 3	
2429	H 2245	....	50 8	20 20	187.7	20 ±	9 ...10	1830+	H	
2430	Σ 613	DM (43°) 1143	50 12	43 57	106.5	19.83	7.7... 8.7	1830.92	Σ 3	A and B } AB *wh.*
					18.8	15.83	...11.7	1831.77	Σ 2	B and C
2431	A 115	SD (2°) 1070	50 16	− 2 4	242.7	1.00	8.6...12.2	1900.87	A 2	
2432	Sh 48	62 *Eridani*	50 30	− 5 22	74.7	65.86	....	1821.97	Sh 1	
2433	β 1045	99 *Tauri*	50 32	23 46	6.2	6.30	6.0...12.3	1889.09	β 3	
2434	H 353	....	50 59	29 7	245 ±	9 ±	10 ...11	1820+	H	
2435	Σ 616	ω *Aurigae*	51 6	37 43	351.9	6.46	4.0... 7.9	1828.75	Σ 4	*Greenish: bluish wh.*
2436	Hu 215	SD (11°) 1011	51 7	−11 8	285.4	0.98	8.5... 9.0	1900.16	Hu 1	(*A. J.* 494)
2437	Espin 14	DM (43°) 1149	51 18	43 8	156.3	32.84	8.5... 9.0	1899.50	Es 4	A and B } (*A. N.* 3717)
					285.2	5.39	...11.8	1899.33	Es 3	B and C
2438	H 3705	O. Arg. S. 3514	51 24	−16 19	139.3	16 ±	7½...10	1835.9	H	"Neat star"
2439	Σ 620	W^1 IV^h.1096	51 32	13 46	226.3	3.59	8.4... 9.4	1831.12	Σ 4	8.4 *yel'sh wh.*
2440	A 479	SD (6°) 1034	51 34	− 6 36	249.4	2.28	8.6...10.8	1903.82	A 2	(*Bul. L. O.* No. 50)
2441	Ho 17	W^2 IV^h. 1122	51 39	30 50	52.2	4.38	8 ...10	1882.14	Ho 2	
2442	Σ 624	L 9343	51 44	− 5 56	88.6	28.36	8.1... 8.6	1831.89	Σ 4	*White*
2443	Σ 622	P IV^h. 258	51 52	1 29	179.9	2.64	8.2... 8.2	1832.09	Σ 3	*White*
2444	Ho 222	W^2 IV^h. 1133	4 51 53	31 24	222.6	1.89	7.7...10.5	1887.02	Ho 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2445	OΣ 92	5 *Aurigae*	4^h 52^m 3^s	39°13′	230°.1	2″.78	6.0... 9.7	1849.09	OΣ 3	
2446	Σ 619	O. Arg. N. 5365	52 5	50 5	106.0	5.41	8.7... 8.7	1830.23	Σ 3	*White*
2447	H 689	*Eridani* 387	52 8	− 2 24	300 ±	10 ±	6–7...12	1820+	H	
2448	Sh 49	*Orionis* 26	52 11	14 22	304.6	38.83	7 ... 8	1822.09	S 2	A and B } *Yellow: blue*
					88.8	....	...(15)	1822.09	S 1	A and C
2449	Σ 617	DM (62°) 721	52 16	62 15	120.6	12.36	8.5... 8.7	1831.29	Σ 2	*White*
2450	H 2244	Rad^r. 1356	52 16	69 12	166.0	100 ±	9 ... 9+	1830+	H	
2451	Σ 618	DM (62°) 723	52 18	62 54	211.5	32.22	7.0... 7.3	1831.96	Σ 3	*White*
2452	Σ 623	*Aurigae* 28	52 25	27 9	205.1	20.40	6.8... 8.3	1829.90	Σ 3	*Very wh.: wh.*
2453	A. G. 83	A. G. Lund 2454	52 33	39 2	131.8	9.83	9.2... 9.4	1902.70	β 2	
2454	A. G. 84	DM (54°) 851	52 42	54 39	160.0	4.21	8.8... 9.2	1900·56	Es 2	
2455	S 459	β *Camelopardali*	52 45	60 16	207.7	79.86	5 ... 9	1825.05	S 2	
2456	Σ 626 *rej.*	W^1 IV^h. 1135	53 5	10 13	....	Cl. IV	8 ...10	....	Σ	
2457	Σ 615	DM (73°) 271	53 10	73 25	337.2	1.26	8.0... 9.8	1831.95	Σ 3	8.0 *white*
2458	Σ 621	W^2 IV^h. 1160	53 20	39 4	131.4	9.80	9.0... 9.0	1831.54	Σ 3	
2459	β 554	ε *Aurigae*	53 22	43 39	224.5	29.31	3.2...14	1878.89	β 1	A and B
					275.3	42.91	...11.7	1878.97	β 4	A and C
					317.1	46.37	...12.0	1879.47	β 2	A and D
2460	β 314	*Leporis* 3	53 39	−16 34	149.9	0.43	6.6... 6.9	1876.69	Δ 4	A and B
					29.0	54.45	... 8.2	1889.13	β 2	AB and C
2461	♅ V. 57	....	53 42	14 42	303.6	34 ±	....	1783.73	♅ 1	A and B
					f	36.43	....	1783.73	♅ 1	A and C
2462	β 1238	L 9373	53 53	26 21	12.6	1.42	8.1...11.3	1891.82	β 3	
2463	β 315	O. Arg. N. 5402	53 54	49 22	226.0	10.45	9.0...11.0	1877.35	Δ 2	
2464	OΣ 93	W^1 IV^h. 1156	54 7	4 55	65.6	1.37	7.5... 9.0	1847.18	OΣ 2	
2465	Σ 625	....	54 8	58 41	114.7	4.44	8.2... 9.8	1831.22	Σ 3	8.2 *very yel.*
2466	Δ 6	L 9397	54 9	14 20	84.7	0.93	8.8... 9.2	1874.91	Δ 5	
2467	Σ 627	DM (3°) 737, 736	54 16	3 26	260.3	21.31	6.3... 7.0	1831.51	Σ 3	*White*
2468	S 461	*Tauri* 323	54 18	26 30	158.6	78.56	7 ... 8½	1824.94	S 2	*Yel'sh: white*
2469	Σ 628 *rej.*	*Orionis* 29	54 22	3 5	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
2470	A 480	A. G. Camb. 2266	54 26	28 7	317.3	0.50	8.0...11.8	1903.87	A 3	(*Bul. L. O.* No. 50)
2471	H 5462	....	54 36	8 33	290 ±	12 ±	11 ...13	1823+	H	
2472	Hu 445	DM (20°) 863	54 38	20 39	278.4	0.41	8.5... 8.8	1901.93	Hu 3	(*Bul. L. O.* No. 21)
2473	H 3709	SD (19°) 1066	54 39	−19 0	318.4	20 ±	9 ...11	1835.9	H	
2474	S 463	L 9439	55 8	11 12	29.6	33.60	7 ...12	1825.10	S 2	
2475	Σ 631	W^1 IV^h. 1202	55 9	−13 41	104.8	5.41	7.2... 8.7	1831.72	Σ 3	*White*
2476	H 1152	....	55 22:	68 39	42.8	10 ±	10 = 10	1828+	H	
2477	Hu 820	DM (51°) 1016	55 26	51 44	206.6	1.80	8.7...10.0	1902.72	Hu 1	(See p. 1065)
2478	H 354	....	55 36	29 10	310 ±	8 ±	10 = 10	1820+	H	
2479	H 1153	....	55 42	69 10	48.2	12 ±	10 = 10	1828+	H	
2480	Σ 13, App. I	11 *and* 12 *Camelop.*	55 43	58 48	7.1	181.32	5.0... 6.0	1836.25	Σ 5	*Bluish: very yel. or red*
2481	Σ 630	P IV^h. 278	55 47	1 26	49.2	14.00	6.8... 8.0	1832.08	Σ 3	*Wh.: bluish*
2482	A. G. 85	A. G. Alb. 1540	56 4	4 9	177.0	8.99	8.9... 9.3	1903.14	M 3	
2483	Weisse 5	W^1 IV^h. 1215	56 6	13 11	....	....	9 ...	....	....	
2484	A. G. 86	A. G. Lund 2485	56 6	35 36	17.8	2.59	9.0... 9.2	1902.70	β 2	
2485	See 44	O. Arg. S. 3581	56 17	−23 53	333.8	1.93	7.5... 9.8	1897.83	See 1	
2486	A. G. 87	A. G. Alb. 1544	56 21	4 26	280.9	30.59	8.8...10.2	1903.13	M 3	
2487	H 3714	....	56 29	−16 28	276.7	7 ±	11 = 11	1835.9	H	
2488	H 2247	SD (5°) 1135	56 51	− 5 53	55.6	10 ±	10 ...14	1830+	H	
2489	H 690	....	57 7	28 56	280 ±	6 ±	9 ...13	1820+	H	
2490	Weisse 6	W^2 IV^h. 1261	57 8	27 32	....	....	8 ...	....	....	
2491	Ho 224	DM (28°) 741	57 10	28 33	278.2	1.82	9.0...10.7	1887.02	Ho 2	(*A. N.* 2977)
2492	A. G. 88	A. G. Leiden 1849	57 13	30 44	286.2	15.90	8.7... 8.8	1902.63	β 2	(See p. 1065)
2493	H 355	....	57 14	30 14	290 ±	15 ±	11 ...11+	1820+	H	H (vii) 9.5...10
2494	Σ 636	W^1 IV^h. 1249	4 57 17	− 8 50	100.4	3.74	7.5... 8.6	1830.84	Σ 4	*White*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2495	β 1046	9 *Aurigae*	4h 57m 17s	51°26′	93°.8	6″.29	5.5...12.7	1888.92	β 3	A and B
					62.2	79.50	... 9.0	1783.30	H 1	A and C
2496	β 884	L 9534	57 22	−12 36	199.0	0.54	8.0... 8.0	1979.09	β 2	
2497	β 749	DM (55°) 958	57 37	55 22	225.9	0.91	7.9...10.0	1879.73	β 2	
2498	H 31	W¹ IVh. 1261	57 44	− 5 19	....	15±	9 ...	1820+	H	"Double" in *Schj.*
2499	H 2246	....	57 45	52 53	169.4	9±	11 = 11	1830+	H	Another obs.
2500	Ho 223	DM (35°) 972	57 48	35 41	42.0	1.44	8 ...12	1890.05	Ho 2	P=173°.4 (*A. N.* 2977)
2501	G. Anderson 1	....	58 :	49 0:	337.8	5.55	10 ...10.5	1876.04	Hl 1	(See p. 1065)
2502	Σ 639	W¹ IVh. 1264	58 0	− 3 2	76.9	5.23	8.2... 9.0	1832.06	Σ 3	*White*
2503	Σ 635	DM (54°) 862	58 2	54 50	280.6	0.41	8.3... 8.3	1830.02	Σ 4	
2504	OΣ 94 *rej.*	O. Arg. N. 5495	58 7	50 8	304.0	15.60	7 ... 9–10	1843.27	Ma 1	A and B
					63.3	20±	...10	1843.27	Ma 1	A and C
2505	H 2248	....	58 14	47 11	334.5	13±	10 ...12	1830+	H	
2506	OΣ 97	W² IVh. 1301	58 23	22 54	157.7	0.51	6.1... 7.8	1852.46	OΣ 4	
2507	H. C. Wilson 1	SD (20°) 997	58 25	−20 39	83.6	9.53	9.0... 9.5	1883.91	W 1	
2508	A 481	SD (6°) 1075	58 26	− 6 12	357.0	0.24	7.0... 8.0	1903.83	A 4	(*Bul. L. O.* No. 50)
2509	OΣ 95	P IVh. 288	58 28	19 38	344.2	0.55	6.6... 7.2	1845.96	OΣ 4	*White*
2510	H 691	DM (9°) 725	58 39	9 4	45±	25±	9 ...12	1820+	H	*Yellow: dusky blue*
2511	Σ 640	W² IVh. 1310	59 11	33 15	98.8	9.32	8.2... 9.5	1829.24	Σ 2	A and B
					305±	18±	...(12)	1820+	H	A and C
2512	A 482	SD (6°) 1081	59 15	− 6 41	170.2	4.16	8.5...10.5	1903.82	A 2	(*Bul. L. O.* No. 50)
2513	Σ 633	DM (63°) 566	59 20	63 27	342.4	12.28	6.7...10.3	1831.31	Σ 3	6.7 *wh.*
2514	H. C. Wilson 2	....	59 39	−20 25	186.8	8.40	9.0...12.0	1883.91	W 1	
2515	H 3265	DM (36°) 1009	59 55	36 54	142.8	15±	9–10=9–10	1831+	H	
2516	OΣ 96 *rej.*	Radᶦ. 1404	59 56	48 58	....	12.	6–7...11	....	OΣ	
2517	H 357	....	5 0 2	28 58	350±	10±	9 ...11	1820+	H	H (VII) 340°: 10°: 11...11
2518	A. G. 89	A. G. Alb. 1570	0 2	2 47	357.0	1.88	9.0... 9.1	1903.13	Cg 3	
2519	H 692	DM (35°) 987	0 4	35 59	175±	6±	9–10...11–12	1820+	H	Double in A. G.
2520	H 3267	W² IVh. 1348	0 4	16 40	153.1	30±	8–9...11	1831+	H	
2521	β 750	γ *Caeli*	0 5	−35 39	316.0	2.69	4.5... 8.7	1892.01	β 3	
2522	H 3266	....	0 6	36 51	69.4	5±	10 ...12	1831+	H	"In cluster VIII, 61"
2523	Hu 446	DM (22°) 830	0 8	22 34	183.0	0.90	9.2... 9.8	1901.91	Hu 4	(*Bul. L. O,* No. 21)
2524	Σ 637	O. Arg. N. 5520	0 11	67 41	22.6	20.25	8.2...10.0	1831.30	Σ 2	8.2 *yel'sh*
2525	Ku 21	DM (10°) 714	0 17	10 50	211.9	5.72	9.5...10.2	1901.63	Ku 2	Kustner (3821)
2526	H 2250	....	0 26	1 42	92.1	5±	10–11...12	1830+	H	
2527	H 2252	....	0 26	− 9 2	152.4	3±	11 ...11–12	1830+	H	"Neat"
2528	S 466	105 *Tauri*	0 45	21 33	251.0	109.99	7 ...10	1825.04	S 2	
2529	H 3720	O. Arg. S. 3650	0 45	−15 36	149.6	20±	8 ...10	1835.9	H	
2530	Σ 642 *rej.*	66 *Eridani*	0 48	− 4 49	9.4	52.50	6.0... 9.2	1879.95	β 2	
2531	*Edgecomb*	103 *Tauri*	0 48	24 6	147.9	12.94	6 ...12.5	1878.98	β 1	A and B
					197.0	34.98	... 9.0	1878.98	β 1	A and C
2532	Σ 638	O. Arg. N. 5529	1 6	69 41	222.4	5.32	7.5... 8.5	1831.61	Σ 3	*Yel'sh: very blue*
2533	H 2249	DM (47°) 1102	1 6	47 21	100.5	12±	9–10...11	1820+	H	
2534	β 751	DM (42°) 1184	1 16	42 31	258.0	3.07	8.4...10.0	1891.85	β 3	A and B
					204.3	24.42	...11.7	1899.09	β 1	A and C
2535	OΣ 98	14 *Orionis*	1 21	8 20	250.8	1.14	6.0... 6.8	1844.53	OΣ 3	
2536	Σ 643	DM (8°) 867	1 23	8 15	295.2	2.68	8.5... 8.5	1831.76	Σ 3	
2537	H 3723	SD (19°) 1099	1 37	−19 56	54.3	4±	9 ...10	1835.9	H	
2538	Σ 641 *rej.*	....	1 39:	57 14:	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
2539	H 2251	....	1 54	52 56	319.9	15±	10 ...12	1830+	H	
2540	Hu 216	SD (10°) 1101	2 3	−10 1	229.9	2.40	8.5...13.5	1900.16	Hu 1	(*A. J.* 494)
2541	Σ 632	DM (78°) 180	2 4	78 14	46.0	2.23	8.0...10.0	1831.95	Σ 3	8.0 *white*
2542	OΣ (App) 61	W² IVh. 1414	2 5	29 40	243.6	69.12	6.5... 8.0	1874.88	Δ 3	
2543	Σ 644	W² IVh. 1407	2 11	37 9	219.2	1.61	6.7... 7.0	1828.60	Σ 3	*Gold: bluish red*
2544	β 1047	*Aurigae* 47	5 2 13	27 53	26.8	11.71	6.2... 8.2	1829.90	Σ 3	A and B 6.2 *wh.:* 8.2 *ash*
					75.3	0.44	8.7... 9.2	1889.09	β 3	B and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2545	**See 46**	**SD** (22°) 1012	5^h 2^m 14^s	−22°48′	357°.8	14″.07	7.3...11.8	1897.77	See 2	
2546	**Σ 649**	**W^1 IV^h**. 1399	2 35	− 8 49	80.8	21.59	7.0... 8.7	1831.90	Σ 4	*White: blue*
2547	**Σ 646**	**DM** (39°) 1198	2 46	39 8	72.5	15.87	8.2... 9.0	1831.21	Σ 2	*Yel'sh: wh.*
2548	**Σ 634**	*Camelop.* 19 (Hev.)	2 47	79 5	348.6	34.04	4.5... 7.9	1834.15	Σ 6	*Yel'sh: wh.*
2549	**OΣ 99** *rej.*	15 *Orionis*	2 50	15 27	....	....	5 ...	....	OΣ	
2550	**H 5464**	....	3 12	− 0 47	140±	4±	10 ...12	1823+	H	
2551	**Σ 648**	**W^2 IV^h**. 1453	3 14	31 53	74.3	4.68	7.4... 8.1	1831.16	Σ 4	*Yel'sh: bluish*
2552	**A. G. 90**	**DM** (24°) 772	3 23	25 0	....	....	8.6...	....	....	
2553	**S 468**	**DM** (13°) 822	3 27	13 51	162.6	27.18	9 ...10	1825.00	S 2	
2554	**OΣ 100**	**W^1 V^h**. 15	3 28	8 1	247.2	4.32	7.0... 9.8	1848.51	OΣ 3	7.0 *white*
2555	**A. G. 91**	**DM** (5°) 823	3 32	5 56	216.2	13.32	9.2... 9.6	1895.29	Lp	
2556	**H 3268**	....	3 46	16 22	261.7	10±	10 ...11	1831+	H	"In a cluster"
2557	**H 358**	**DM** (35°) 1008	3 54	35 35	140±	15–20	10 ...11	1820+	H	
2558	**Σ 629**	**Redhill** 732	4 4	83 18	342.1	13.16	8.2...11.2	1832.77	Σ 4	
2559	**A 483**	**SD** (9°) 1086	4 11	− 9 16	58.7	3.62	9.3... 9.8	1903.84	A 2	(*Bul. L. O.* No. 50)
2560	**Σ 651**	**W^1 V^h**. 38	4 14	− 7 13	101.7	10.81	8.0...10.0	1829.67	Σ 2	
2561	**A 484**	**SD** (7°) 993	4 33	− 7 44	298.1	0.19	8.5... 8.5	1903.92	A 3	(*Bul. L. O.* No. 50)
2562	**Hu 821**	**DM** (51°) 1043	4 37	51 17	186.9	0.99	8.0... 8.5	1902.96	Hu 1	(See p. 1065)
2563	**See 47**	**Cord. DM** (22°) 2039	4 40	−22 39	39.3	3.52	6.5...13.4	1897.78	See 2	
2564	**A 50**	**SD** (5°) 1177	4 41	− 5 5	104.4	2.93	8.6...12.5	1900.19	A 3	(*A. N.* 3668)
2565	**β 885**	**L** 9758	4 53	− 1 55	196.1	0.71	8.3... 8.4	1880.80	β 3	
2566	**OΣ 101**	**L** 9691	4 54	46 50	184.6	5.75	7.3... 9.8	1848.44	OΣ 3	7.2 *white*
2567	**A 485**	**SD** (9°) 1089	4 58	− 9 33	122.2	4.04	9.0...12.0	1903.84	A 2	(*Bul. L. O.* No. 50)
2568	**H 3269**	....	5 4	16 36	60.4	20±	9 ...11	1831+	H	
2569	**A 210**	**A. G. Camb.** 2348	5 12	26 7	91.2	0.41	8.5... 9.5	1901.99	A 2	
2570	**H 3727**	....	5 14	−19 3	32.3	2±	9 ...10	1835.9	H	
2571	**Hu 33**	**DM** (0°) 974	5 32	0 22	324.2	0.16	7.5... 8.0	1899.09	Hu 3	
2572	**Hu 822**	**DM** (51°) 1044	5 32	51 11	183.7	4.64	8.5...12.0	1902.96	Hu 1	(See p. 1065)
2573	**Σ 652**	**W^1 V^h**. 64	5 34	0 53	184.3	1.71	6.3... 7.8	1830.18	Σ 3	*Yel'sh: wh.*
2574	**OΣ (App) 62**	**W^1 V^h**. 60	5 34	6 41	48.2	123.39	7.4... 7.7	1875.31	Δ 3	
2575	**H 3270**	....	5 44	16 21	....	....	10 ...10	1831+	H	
2576	**β 1006**	**SD** (2°) 1169	6 17	− 2 21	201.7	0.78	9.6...11.0	1882.00	β 2	A and B
					177.8	52.29	... 9.7	1882.00	β 2	A and C
2577	**H 1154**	....	6 21	71 6	91.0	18±	9 ...15	1828+	H	
2578	**A 51**	**SD** (3°) 1037	6 27	− 3 11	96.5	1.40	8.5... 8.6	1900.20	A 2	(*A. N.* 3668)
2579	**H 2253**	**O. Arg. N.** 5644	6 37	51 49	22.5	18±	7–8...17	1830+	H	
2580	**A 211**	**DM** (31°) 894	6 37	31 34	131.6	4.29	8.5...12.5	1901.97	A 3	
2581	**Σ 655**	ι *Leporis*	6 42	−12 1	337.6	12.81	4.2...10.5	1832.25	Σ 6	4.2 *greenish*
2582	**H 359**	....	6 45	27 52	65±	8±	9 ...10	1820+	H	
2583	**Hu 556**	**DM** (35°) 1022	6 59	35 13	136.3	2.29	8.2...12.5	1901.88	Hu 3	(*Bul. L. O.* No. 27)
2584	**Σ 654**	ρ *Orionis*	7 1	2 43	63.5	7.05	4.7... 8.5	1832.05	Σ 4	*Very yel.: blue*
2585	**H 694**	....	7 7	33 0	95±	4±	11 ...12	1820+	H	
2586	**H 2255**	....	7 10	52 6	107.5	10±	12 = 12	1830+	H	
2587	**S 470**	**SD** (17°) 1047	7 14	−17 36	277.6	48.30	10 ...10½	1825.05	S 2	
2588	**OΣ 517**	**L** 9802	7 18	1 49	279.8	0.63	6.5... 6.7	1854.87	OΣ 3	A and B
					134.6	6.73	...(13)	1878.08	Hl 2	AB and C
2589	**A. G. 92**	**A. G. Leiden** 1934	7 31	30 12	334.5	21.92	9.2... 9.4	1902.63	β 2	
2590	**H 2257**	**W^1 V^h**. 127	7 33	− 4 48	256.2	30±	5.6...11	1830+	H	
2591	**Σ 653**	14 *Aurigae*	7 36	32 33	342.4	12.58	5.0...11.0	1830.55	Σ 3	A and B AC *greenish: bluish wh.*
					225.6	14.65	... 7.2	1830.55	Σ 3	A and C
2592	**OΣ 102**	**L** 9806	7 37	0 25	....	....	6.5...	....	OΣ	
2593	**Σ 664**	**W^1 V^h**. 119	7 39	8 18	167.6	5.02	7.5... 8.0	1829.84	Σ 3	*White*
2594	**Σ 661**	κ *Leporis*	7 40	−13 5	358.7	3.05	5.0... 7.9	1832.23	Σ 6	*Yel'sh: blue*
2595	**Hu 34**	**SD** (10°) 1125	7 41	−10 46	109.5	1.05	8.9...12.5	1900.05	Hu 2	(*A. J.* 480)
2596	**A 661**	**SD** (7°) 1005	5 7 44	− 7 28	171.2	0.27	9.1... 9.6	1904.01	A 3	(*Bul. L. O.* No. 61)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2597	H̬ VI. 30	α *Aurigae* (Capella)	5^h 7^m 49^s	45° 53′	22°6	46″63	1 ...16	1898.51	Bar 3	A and B
					317.5	78.17	...14	1878.89	β 1	A and C
					183.2	126.2	...12.5	1878.04	β 1	A and D
					315.8	143.21	...11	1878.89	β 1	A and E
					146.1	158.01	...10	1878.89	β 1	A and F
					348.0	454.2	... 9	1821.22	Sh 1	A and G
2598	H 3732	Lac. 1753	8 4	−27 20	216.5	80±	8 = 8	1834.9	H	"Both fine yellow"
2599	See 48	Cord. DM (28°) 2028	8 5	−28 36	2.1	2.32	8 ... 9.9	1897.83	See 1	
2600	H 361	....	8 7	33 0	105±	3±	12 ...13	1820+	H	"Very delicate object"
2601	A 212	A. G. Camb. 2369	8 10	29 20	302.4	3.04	8.8...12.7	1901.97	A 3	A and B
					22.8	19.15	....	1901.97	A 2	A and C
					48.6	4.00	10.0...16.0	1902.00	A 2	C and D
2602	Σ 658	DM (38°) 1087	8 24	38 55	188.1	5.52	8.3...10.3	1832.25	Σ 3	8.3 *white*
2603	Σ 662	L 9809	8 35	25 49	102.2	5.29	7.9...11.0	1831.14	Σ 4	7.9 *white*
2604	Σ 665	W^2 V^h. 182	8 38	19 36	260.1	1.80	8.3... 9.2	1831.11	Σ 3	
2605	β 555	β *Orionis* (Rigel)	8 47	− 8 20	172.8	0.35	....	1878.14	β 2	B and C A *yel'sh wh.*
					199.8	9.14	1.0... 8.0	1831.53	Σ 3	A and B
					1.5	44.48	...12.5	1878.82	β 2	A and D
2606	Σ 667	W^1 V^h. 165	8 52	− 7 13	312.7	4.19	7.5... 9.0	1830.83	Σ 3	*Very yel.: ash*
2607	β 317	L 9852	8 54	−23 8	12.4	9.16	7.5...11.0	1876.05	Cin 1	
2608	H 3271	DM (37°) 1117	8 59	37 39	352.4	12±	10 ...10	1831+	H	Double in A. G.
2609	Σ 657	DM (52°) 942	9 11	52 43	273.2	1.42	7.5... 8.0	1835.94	Σ 3	*White*
2610	Σ 666	DM (33°) 991	9 14	33 12	71.3	2.98	8.0... 8.0	1830.55	Σ 3	*Very white*
2611	Σ 656	DM (62°) 743	9 22	63 2	217.2	2.62	8.3...10.0	1831.92	Σ 3	8.3 *white*
2612	Weisse 7	W^2 V^h. 199	9 31	31 8	....	....	9 ...	....	....	
2613	Σ 670	P V^h. 20	9 43	18 18	171.1	2.33	7.7... 8.2	1830.53	Σ 3	*White: bluish*
2614	Hu 823	DM (48°) 1249	9 45	48 56	8.4	4.27	8.9...11.5	1902.96	Hu 1	(See p. 1065)
2615	Σ 671	W^2 V^h.222	9 58	25 57	125.8	17.23	8.5... 9.0	1829.21	Σ 4	*White*
2616	β 885½	L 9823	10 0	37 30	69.3	2.31	7.5... 9.5	1880.21	β 6	
2617	Σ 659	DM (64°) 520	10 3	64 47	314.0	5.56	8.7... 9.7	1831.61	Σ 3	
2618	Σ 669	DM (45°) 1090	10 9	45 7	275.5	9.74	7.8... 8.3	1831.22	Σ 3	*Very white*
2619	Σ 675	W^1 V^h. 190	10 11	− 5 43	4.5	9.26	8.8... 9.0	1830.50	Σ 3	*Very white*
2620	Σ 672 *rej.*	....	10 12:	16 38:	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
2621	A. G. 93	A. G. Lund 2629	10 14	39 27	....	....	....	....	....	
2622	β 318	L 9873	10 15	− 3 37	227.2	0.66	8.3... 8.7	1876.23	Δ 3	
2623	OΣ 103	16 *Aurigae*	10 18	33 15	56.5	4.49	5.2...11.0	1848.02	OΣ 2	5.0 *yel.* (See p. 1065)
2624	Ho 334	W^2 V^h. 235	10 18	22 42	186.8	1.76	8.1...10.2	1893.19	Ho 1	(*A. N.* 3233)
2625	Σ 674	P V^h. 25	10 19	20 0	147.3	10.55	6.5... 9.5	1828.19	Σ 3	6.5 *very white*
2626	H 1155	DM (70°) 350	10 25	70 31	45.7	20±	9–10...10	1828+	H	
2627	Σ 3, App. II	λ *Aurigae*	10 42	39 59	274.4	29.11	...13.5	1900.78	β 2	A and B 5.2 *yel.*
					197.6	40.47	5.2...12.2	1879.28	β 3	A and C
					29.0	103.60	... 8.7	1836.21	Σ 3	A and D
2628	Σ 663	....	10 42	66 5	73.9	2.55	7.5...10.7	1831.31	Σ 3	7.5 *yel'sh wh.*
2629	Hu 35	SD (11°) 1118	10 44	−11 57	64.7	2.70	9.0...10.8	1900.05	Hu 3	(*A. J* 480)
2630	H̬ V. 88	DM (39°) 1250	10 46	40 0	215.9	35.25	....	1783.49	H̬ 1	
2631	Espin 59	DM (33°) 1005	10 49	33 24	10.2	14.02	8.5... 9.0	1882.24	β 2	
2632	Howe 12	Cord. DM (29°) 2146	10 52	−29 39	231.6	2.49	8.5... 9.5	1877.12	Cin 2	
2633	A 52	SD (5°) 1210	11 0	− 5 46	159.9	1.76	8.5...13.0	1900.20	A 2	(*A. N.* 3668)
2634	Σ 678	W^1 V^h. 216	11 17	4 33	96.5	3.28	8.3... 8.8	1830.83	Σ 3	*White*
2635	Ho 18	L 9876	11 28	33 52	164.1	3.94	7.7...13	1885.50	Ho 3	
2636	Σ 673	O. Arg. N. 5732	11 31	50 29	269.6	1.33	8.3...10.2	1830.93	Σ 3	
2637	Σ 681	DM (46°) 998	11 42	46 50	180.5	23.40	6.3... 8.3	1831.95	Σ 3	*Yel'sh wh: bluish wh.*
2638	Weisse 8	W^2 V^h. 269	11 43	36 6	329.7	2.83	8.9... 9.0	1901.25	β 2	A and B
					224.8	10.12	...13.5	1901.25	β 2	A and C
2639	β 188	τ *Orionis*	5 11 47	− 6 58	49.1	3.77	11 ...12	1876.22	Hl 2	B and C
					250.4	18±	4 ...14	1830.	H 1	A and B
					63.8	18±	...12	1830.	H 1	A and D

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2640	H 3272	DM (39°) 1257	$5^h\ 11^m\ 48^s$	39° 14′	345°.0	15″ ±	7–8 ... 14	1831+	H	A and B
					320 ±	20 ±	... 14	1831+	H	A and C
					39.3	24 ±	... 13	1831+	H	A and D
2641	Kr 26	A. G. Hels. 3992	12 1	55 48	71.0	9.75	9.3 ... 9.5	1890.77	β 1	
2642	H 2260	....	12 6	−10 49	175 ±	25 ±	10 = 10	1830+	H	"P est. from diagram"
2643	Hu 36	SD (11°) 1126	12 7	−11 6	185.6	0.73	9.0 ... 11.5	1900.04	Hu 2	(*A. J.* 480)
2644	Σ 680	P V^h. 37	12 9	20 1	201.8	8.72	6.3 ... 10.2	1827.85	Σ 3	6.3 *yel.*
2645	S 473	L 9950	12 10	−15 21	304.0	20.84	8 ... 10	1825.06	S 3	
2646	H 695	DM (9°) 797	12 10	9 7	325 ±	6 ±	10 ... 11	1820+	H	
2647	Σ 679	DM (25°) 816	12 21	25 2	316.3	20.00	8.7 ... 9.1	1829.73	Σ 5	
2648	Σ 682 *rej.*	DM (3°) 845	12 22	3 51	89.0	20 ±	10 ... 11	1830+	H	
2649	See 49	SD (18°) 1046	12 25	−18 16	179.8	5.01	8.1 ... 13.3	1897.77	See 1	
2650	Σ 683	L 9929	12 55	25 3	80.1	12.13	7.8 ... 10.0	1827.84	Σ 3	7.8 *white*
2651	H 2258	DM (53°) 891	13 1	53 27	39.4	25 ±	9–10 ... 13	1830+	H	
2652	Σ 676	O. Arg. N. 5746	13 4	64 37	282.4	0.82	7.5 ... 8.5	1831.63	Σ 3	*White*
2653	Espin 60	DM (40°) 1261	13 5	40 43	269.4	5.7	9.1 ... 9.1	1901	Es	(*A. N.* 3784)
2654	A 53	SD (3°) 1061	13 6	− 3 12	45.6	4.94	8.5 ... 12.5	1900.20	A 2	
2655	Cordoba	Cord. G. C. 6100	13 14	−27 37	274.0	3.21	9 ... 9.5	1902.16	I 1	
2656	H 696	DM (27°) 757	13 20	27 58	220 ±	8 ±	9 ... 11	1820+	H	
2657	Σ 677	O. Arg. N. 5751	13 24	63 16	279.4	1.74	7.7 ... 8.0	1831.77	Σ 4	*Very white*
2658	Σ 684	DM (44°) 1182	13 24	44 58	136.3	1.50	8.0 ... 9.8	1830.89	Σ 3	8.0 *yel'sh wh.*
2659	A 213	A. G. Camb. 2418	13 28	25 37	14.9	4.19	8.5 ... 13.5	1901.99	A 3	
2660	See 50	L 9986	13 30	−18 16	199.2	28.93	5 ... 12.8	1897.77	See 1	
2661	Σ 686	W^2 V^h. 335	13 37	23 55	219.9	9.19	7.9 ... 8.1	1830.36	Σ 5	*White*
2662	Σ 688	W^1 V^h. 273	13 43	−10 52	274.3	10.50	7.0 ... 7.4	1832.17	Σ 4	*Yel'sh: bluish wh.*
2663	Espin 61	DM (40°) 1263	13 44	40 40	356.7	2.4	9.0 ... 9.2	1901	Es	(*A. N.* 3784)
2664	H 2261	....	13 46	− 4 14	213.0	6 ±	14 = 14	1830+	H	
2665	H III. 94	....	13 48:	−11 14	94.0	11.73	....	1783.04	H 1	
2666	S 476	L 10020	14 2	−18 38	17.3	39.71	7½ ... 7½	1824.94	S 2	
2667	Espin —	DM (49°) 1345	14 9	49 27	173.8	9.30	8.4 ... 9.0	1900.49	Es 2	(*A. N.* 3717)
2668	OΣ 104	L 9939	14 15	46 54	190.7	15.78	7.0 ... 11.0	1847.02	OΣ 2	
2669	β 886	DM (33°) 1020	14 24	33 41	67.6	17.17	8.2 ... 9.0	1829.24	Σ 2	A and B
					153.5	48.73	... 9.2	1829.24	Σ 2	A and C AB = Σ 687
					246.9	0.90	8.5 ... 10.0	1882.22	β 1	C and D
2670	β 189	*Orionis* 81	14 33	− 5 28	283.6	4.27	6.8 ... 11.5	1875.86	Δ 3	
2671	Σ 685	DM (50°) 1161	14 33	50 21	315.3	2.03	8.2 ... 10.0	1831.02	Σ 4	8.2 *yel.*
2672	β 887	DM (33°) 1026	14 33	33 18	194.3	1.00	9.0 ... 10.5	1882.22	β 2	A and B
					112.8	9.54	... 13.5	1898.84	β 1	A and C
					332.8	10.56	... 12.0	1882.24	β 3	A and D
					201.6	14.80	... 13.5	1898.84	β 1	A and E
2673	β 190	*Orionis* 82	14 38	− 8 9	355.3	0.71	7.9 ... 8.7	1876.15	Δ 4	A and B AC = Σ 692
					4.2	34.86	7.8 ... 8.8	1831.48	Σ 3	AB and C
2674	H 362	DM (29°) 874	14 53	29 9	155 ±	12 ±	9 ... 10	1820+	H	A and B
					270 ±	15 ±	....	1820+	H	A and C "Quintuple or sextuple"
					320 ±	30 ±	....	1820+	H	A and D
2675	H 3749	....	14 56	−30 11	146.6	15 ±	10 = 10	1835.9	H	
2676	OΣ 105	L 10015	14 56	12 33	110.0	0.72	7.8 ... 7.8	1848.20	OΣ 2	
2677	H 3750	*Leporis* 28	15 20	−21 22	295.3	3 ±	5 ... 10	1835.90	H	
2678	H 1156	....	15 20	70 12	222.6	3 ±	12 ... 13	1828+	H	"To the *n* is a fine coarse double star"
2679	H 363	DM (34°) 1023	15 20	34 2	135 ±	9 ±	9–10 ... 14	1820+	H	
2680	Σ 691	W^2 V^h. 370	15 21	31 3	300.2	25.60	8.5 ... 9.0	1828.73	Σ 2	
2681	H 697	B. A. C. 1657	15 24	− 0 32	50 ±	20 ±	5 ... 13	1820+	H	A and B
					110 ±	30 ±	....	1820+	H	A and C
2682	Ma 2	SD (7°) 1050	15 32	− 7 0	158.8	3.20	9.0 ... 9.5	1843.13	Ma 1	
2683	Σ 693	SD (2°) 1222	15 37	− 2 10	8.9	3.65	8.7 ... 9.0	1831.08	Σ 3	*White*
2684	OΣ 106	W^1 V^h. 324	5 15 47	5 17	41.7	9.31	6.8. :10.2	1848.51	OΣ 3	7.0 *white*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2685	**Espin 62**	DM (40°) 1277	5^h 15^m 48^s	41° 1′	61°.9	2″.7	9.5...12.0	1901	Es	A and B (*A. N.* 3784)
					306.6	14.2	....	1901	Es	A and C
2686	**β 1317**	DM (39°) 1290	16 0	39 32	26.9	0.60	9.0... 9.4	1902.82	β 4	
2687	**Σ 689**	DM (67°) 385	16 16	67 48	323.9	5.72	8.0...10.0	1831.61	Σ 3	8.0 *white*
2688	**H 698**	....	16 22	0 57	240±	6±	10 ...12	1820+	H	
2689	**A. G. 94**	A. G. Lund 2703	16 24	39 38	105.6	2.98	9.3... 9.3	1902.73	β 3	
2690	**β 888**	*σ Aurigae*	16 30	37 16	171.0	7.91	6.0...12.0	1880.14	β 4	A and B
					330.5	27.24	...14.2	1898.87	β 2	A and C
					348.1	4.4	...16	1898.96	β 1	C and D
2691	**Σ 690**	DM (57°) 881	16 30	57 42	9.8	19.11	8.5... 9.5	1830.72	Σ 2	
2692	**Σ 696**	23 *Orionis*	16 32	3 26	28.1	31.71	5.0... 7.0	1831.44	Σ 4	*Greenish wh.: wh.*
2693	**Σ 697**	DM (15°) 805	16 38	15 56	285.0	25.96	7.2... 8.2	1829.83	Σ 3	*Wh.: bluish wh.*
2694	**Σ 694**	DM (24°) 826	16 38	24 51	4.2	1.34	8.2=8.2	1829.51	Σ 3	A and B *White*
					338.6	8.66	...15.5	1876.13	Hl 1	AB and C
2695	**H 3752**	P V^h. 70	16 51	−24 54	110.3	3.33	6 ... 9½	1837.4	H	A and B
					106.1	58.81	... 9	1837.4	H	A and C
2696	**Σ 700**	DM (0°) 1035	16 54	0 57	5.3	4.52	8.0... 8.2	1831.48	Σ 3	*White*
2697	**H 364**	DM (22°) 890	17 1	22 2	320±	8±	10=10	1820+	H	
2698	**Hu 447**	DM (20°) 945	17 9	20 4	210.2	4.90	8.5...13.0	1901.98	Hu 3	(*Bul. L. O.* No. 21)
2699	**Σ 698**	DM (34°) 1031	17 14	34 45	346.2	31.11	6.2... 7.7	1831.23	Σ 4	*Yel.: bluish*
2700	**A 486**	SD (8°) 1105	17 18	− 8 13	69.7	0.29	8.5... 9.5	1903.83	A 3	(*Bul. L. O.* No. 50)
2701	**β 191**	DM (34°) 1033	17 19	34 27	24.8	3.24	10.1...10.4	1875.94	Δ 4	
2702	**Hn 73**	O. Arg. S. 3901	17 20	−17 23	48.9	2.42	9.0...10.5	1888.16	Com 3	
2703	**S 478**	111 *Tauri*	17 25	17 16	271.3	61.76	7 ...10	1825.06	S 2	
2704	**Σ 699**	W^2 V^h. 430	17 26	37 56	342.9	8.77	7.3... 8.0	1830.87	Σ 3	*Very white*
2705	**Σ 701**	*Orionis* 88	17 33	− 8 32	146.0	5.93	6.7... 8.5	1830.48	Σ 3	*Very wh.: ash*
2706	**Wn 2**	B. A. C. 1678	17 43	− 0 59	169.8	1.64	6.5... 6.8	1866.53	OΣ 3	
2707	**O. Stone 10**	L 10131	17 55	−10 32	121.1	1.10	8.0... 8.0	1877.95	Cin 2	
2708	**Hn 74**	....	17 58	−17 18	233.4	6.01	9.5... 9.7	1888.30	Com 2	
2709	**H I. 75**	....	18 :	2 16	359.6	....	....	1783.02	H 1	
2710	**Σ 702**	L 10134	18 21	2 15	78.6	8.04	8.8... 9.3	1831.42	Σ 3	
2711	**S 479**	W^1 V^h. 389	18 25	1 42	218.7	46.63	9 ...10	1825.22	S 2	A and B
					35.3	158.16	... 5	1825.22	S 2	A and C
2712	**Da 5**	*η Orionis*	18 27	− 2 30	87.2	0.98	4 ... 5	1849.25	Da 14	A and B
					54.8	110.95	...10	1783.74	H 1	A and C
2713	**Σ 706**	DM (30°) 892	18 37	30 15	36.8	3.65	8.2... 9.3	1829.21	Σ 3	*White*
2714	**Σ 705**	DM (35°) 1100	18 37	35 17	12.2	18.34	9.2... 9.5	1829.91	Σ 3	
2715	**β 556**	L 10159	18 39	− 2 36	242.2	0.76	7 ...12	1878.17	β 2	
2716	**H 2262**	....	18 50	52 9	173±	18±	11=11	1830+	H	
2717	**Σ 709**	SD (7°) 1068	18 55	− 7 49	318.3	10.08	9.1...10.1	1830.90	Σ 4	
2718	**Σ 708**	P V^h. 84	18 57	1 49	323.1	2.61	8.2... 9.8	1831.81	Σ 3	*White*
2719	**H VI. 68**	L 10165	19 0	− 2 57	277.9	120.18	....	1783.76	H 1	
2720	**A 487**	SD (9°) 1145	19 5	− 9 20	95.8	0.28	9.2... 9.6	1903.96	A 3	(*Bul. L. O.* No. 50)
2721	**Ho 226**	W^2 V^h. 507	19 28	27 30	230.2	0.50	7 ... 7	1887.14	Ho 2	
2722	**Δ 7**	....	19 32	34 19	329.0	20.87	9.3...10.0	1864.79	Δ 3	A and B
					51.9	28.77	9.2...10.8	1867.61	Δ 3	C and D
					283.0	170.95	....	1868.08	Δ 2	A and C
2723	**Σ 710**	W^1 V^h. 425	19 36	−11 25	193.6	10.72	8.2... 8.3	1831.50	Σ 3	*White*
2724	**Lewis 6**	DM (34°) 1046	19 38	34 39	302.5	2.30	8 ...11	1899.05	L 1	
2725	**H 3273**	....	19 46	15 7	97.6	10±	10-11...11	1831+	H	
2726	....	SD (2°) 1247	20 7	− 2 23	31.6	3.29	9.0...10.0	1883.20	β 1	
2727	**S 483**	L 10164	20 9	33 41	59.1	87.60	7 ... 9	1825.11	S 2	
2728	**β 889**	W^2 V^h. 518	5 20 10	34 19	223.5	1.11	8.5...10.0	1878.91	β 1	A and B AE = Σ 707
					102.6	3.76	...14.1	1891.95	β 3	A and C
					108.0	12.04	...13.8	1891.95	β 3	A and D
					131.6	18.29	...10.2	1830.75	Σ 2	A and E
					200.7	27.77	...11.5	1878.91	β 1	A and F

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2729	OΣ 107	115 *Tauri*	$5^h 20^m 10^s$	17°51′	304°9	10″15	6.0...10.8	1849.54	OΣ 3	6.0 *white*
2730	A 318	A. G. Berlin 1746	20 12	24 38	358.4	2.84	8.7...13.7	1902.53	A 2	(*Bul. L. O.* No. 29)
2731	Σ 712	L 10195	20 14	2 50	45.4	3.08	7.0... 9.0	1831.16	Σ 3	7.0 *very wh.*
2732	H 699	....	20 21	35 16	225±	4±	11 ...12	1820+	H	"Points to a cluster"
2733	H 2263	....	20 22	53 21	310.6	4±	11 = 11	1830+	H	
2734	H 365	114 (o) *Tauri*	20 26	21 50	345±	20±	5-6...17	1820+	H	A and B
					195±	35±	...17	1820+	H	A and C
					265±	50±	...17	1820+	H	A and D
2735	Knott 3	ψ^2 *Orionis*	20 33	2 59	322.0	2.78	5.5...11.1	1864.13	Kn 4	
2736	Σ 713	DM (6°) 928	20 45	6 52	28.2	2.93	8.7...10.3	1832.81	Σ 3	
2737	H 2265	....	20 46	− 5 15	249.4	12±	10-11...13	1830+	H	
2738	Σ 704	DM (69°) 327	20 48	69 34	8.5	26.53	7.2... 9.5	1831.31	Σ 2	7.2 *white*
2739	H 3759	L 10254	20 48	−19 48	315.2	28.70	7 ... 9	1837.9	H	
2740	β 890	L 10175	20 49	37 41	286.6	1.17	8.4... 8.8	1880.14	β 3	
2741	β 1318	A. G. Lund 2744	20 57	38 42	248.8	2.25	9.3...12.3	1903.03	β 4	A and B
					17.1	12.43	... 9.4	1903.03	β 4	A and C
2742	H 366	....	21 2	32 23	20±	8±	9 ...12	1820+	H	
2743	H 700	....	21 12	10 35	240±	5±	10 ...12	1820+	H	"Three large stars *p*"
2744	β 319	O. Arg. S. 3957	21 15	−20 49	231.3	3.98	7.5...10.5	1876.09	Hl 3	
2745	Σ 711	DM (54°) 902	21 38	54 35	233.8	9.00	7.5... 9.2	1830.71	Σ 2	7.5 *yel.*
2746	Hu 217	DM (35°) 1137	21 42	35 16	257.1	0.56	7.0... 8.5	1900.94	Hu 2	(*A. J.* 494)
2747	H 2264	DM (47°) 1164	21 43	47 49	129.2	6±	9 ...12	1830+	H	
2748	Σ 715	DM (41°) 1205	21 45	41 11	206.0	0.95	8.2... 8.9	1831.47	Σ 4	*Very wh.*
2749	A 319	SD (4°) 1135	21 46	− 4 6	52.2	0.46	9.5...10.0	1902.80	A 3	(*Bul. L. O.* No. 29)
2750	S 484	DM (33°) 1064	21 46	33 21	170.0	58.95	8 ... 8½	1825.12	S 2	
2751	Σ 716	118 *Tauri*	21 53	25 3	196.8	4.89	5.8... 6.6	1829.63	Σ 5	*Wh.: bluish wh.*
2752	A 488	A. G. Camb. 2471	21 54	28 49	272.5	1.08	9.0...14.3	1903.87	A 3	(*Bul. L. O.* No. 50)
2753	Hn 75	SD (8°) 1126	21 55	− 8 49	89.8	6.27	8.8... 9.6	1888.32	Com 3	
2754	H 2266	....	21 59	3 52	43.8	4±	12 ...13	1830+	H	
2755	Σ 695	O. Arg. N. 5844	22 10	79 15	155.8	10.34	8.3... 9.0	1831.68	Σ 3	A and B
					172.5	1.95	... 9.7	1831.68	Σ 3	B and C
2756	OΣ 108	L 10263	22 18	18 16	138.7	3.59	7.0...10.5	1849.54	OΣ 3	
2757	OΣ (App) 63	W^2 V^h. 592	22 23	39 44	273.7	75.06	6.2... 7.2	1874.81	Δ 3	
2758	Σ 719	W^2 V^h. 604	22 27	29 27	326.5	0.68	7.0... 9.5	1833.47	Σ 4	A and B 7.0 *very yel.*
					351.5	14.83	... 8.9	1833.47	Σ 6	A and C
2759	See 53	O. Arg. S. 3974	22 29	−21 1	15.0	0.30	8.5... 8.5	1897.76	See 1	
2760	H 2267	W^1 V^h. 509	22 32	1 33	119.8	15±	8 ...12	1830+	H	"Triple; all nearly in a line"
2761	H 3274	....	22 41	18 14	102.5	2±	11 = 11	1831+	H	"In field with OΣ 108"
2762	H 702	....	22 41	− 2 3	140±	20±	8 ... 9	1820+	H	
2763	β 891	W^2 V^h. 615	22 48	18 19	121.6	9.89	7.0...13.0	1879.10	β 1	A and B
					22.0	52.82	... 7.5	1879.63	β 2	A and C
2764	H 701	DM (31°) 992	22 50	31 25	....	....	9 ...15	1820+	H	
2765	H 2268	L 10314	22 57	− 8 28	298.1	18±	8 ... 9	1830+	H	
2766	Da 6	W^1 V^h. 520	22 58	− 3 24	80.3	0.82	7.2... 7.5	1854.10	Da 2	
2767	Webb	*Schj.* 1796	23 5	− 4 47	227.4	46.70	8.0... 9.0	1879.14	β 2	
2768	Δ 8	SD (2°) 1264	23 5	− 2 6	51.3	5.25	8.5... 9.0	1875.87	Δ 1	A and B
					358.6	15.75	8.5...10.0	1875.87	Δ 1	C and D
					111.1	102.50	....	1875.87	Δ 1	A and C
2769	β 320	*β Leporis*	23 6	−20 51	267.7	2.89	3 ...11.0	1875.09	Δ 1	A and B
					146.3	65.58	...11.5	1898.94	β 2	A and C
2770	Σ 718	*Aurigae* 96	23 7	49 18	74.2	7.78	7.2... 7.2	1829.90	Σ 3	*Very wh.*
2771	β 557	L 10311	23 16	3 3	142.4	0.46	9.5... 9.5	1878.16	β 2	B and C AC= Σ 721
					150.9	24.21	7.0... 9.0	1830.18	Σ 2	A and BC
2772	Σ 717 *rej.*	DM (52°) 967	23 25	52 3	293.8	25±	9 ...12	1830+	H	From H (V) (See p. 1065)
2773	β 1239	DM (34°) 1074	5 23 28	34 11	324.6	2.31	9.9...15.2	1891.77	β 2	B and D
					220±	7±	11 ...12	1820+	H	A and B
					280±	7±	...14	1820+	H	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2774	H V. 101	SD (7°) 1092	$5^h 23^m 37^s$	− 7° 21′	105°±	44″.25	....	1783.02	H 1	
2775	Σ 725	31 *Orionis*	23 37	− 1 11	87.5	12.74	5.8...11.0	1829.41	Σ 3	5.8 *very golden*
2776	Σ 724	$W^1 V^h$. 530	23 38	10 56	241.5	6.86	8.7...10.0	1829.83	Σ 3	
2777	H 703	$W^2 V^h$. 631	23 47	31 25	270±	10±	9 ...13	1820+	H	
2778	Hd 69	SD (22°) 1125	23 57	−22 43	*nf*	10±	8½...12	1870.15	Hd	
2779	Σ 726	*Orionis* 116	24 14	10 10	261.0	1.21	8.0... 8.5	1831.83	Σ 3	*White*
2780	Σ 728	32 *Orionis*	24 22	5 51	203.7	1.04	5.2... 6.7	1830.96	Σ 4	*Yel'sh*
2781	Σ 714	DM (73°) 294	24 51	73 56	325.1	9.72	8.2... 9.7	1831.31	Σ 2	8.2 *white*
2782	H 704	....	24 52	28 13	100±	8±	10 ...11	1820+	H	"Points a little *s* of a 3d star"
2783	Σ 729	33 *Orionis*	24 57	3 12	25.6	1.87	6.0... 7.3	1831.22	Σ 3	*White*
2784	H 2270	SD (4°) 1152	24 59	− 4 21	340.2	40±	8 ...11	1830+	H	
2785	Hd 70	....	25 :	23 55:	250±	4±	8.9...11	1881.06	Hd	"Suspected"
2786	Σ 723	DM (51°) 1087	25 3	51 50	104.7	4.21	8.4...10.5	1830.00	Σ 4	
2787	Σ 727	DM (44°) 1232	25 4	44 42	56.7	2.18	8.0... 9.5	1830.89	Σ 3	8.0 *yel.*
2788	Σ 732 *rej.*	L 10389	25 8	− 6 17	....	Cl. IV	7–8...10	....	Σ	
2789	Σ 730	B. A. C. 1728	25 17	16 58	141.8	9.81	6.5... 7.0	1831.42	Σ 4	*Very wh.*
2790	Σ 731	$W^1 V^h$. 590	25 18	− 2 11	331.6	4.61	8.5... 9.0	1831.53	Σ 4	*White*
2791	Ho 335	....	25 18	26 41	115.7	2.80	9 ...10.5	1891.10	Ho 2	
2792	Σ 720	DM (63°) 593	25 21	63 26	166.1	6.10	8.2... 9.3	1831.61	Σ 3	8.2 *yel'sh*
2793	Sh 61	DM (2°) 986	25 25	2 44	353.1	68.91	8 ... 9	1822.97	Sh 1	
2794	H 3765	SD (19°) 1198	25 35	−19 31	349.4	15±	10 ...10	1835.9	H	8.8m. in SD
2795	Hd 71	....	25 38:	−22 41:	*nf*	10±	9 ...15	1870.15	Hd	
2796	β 558	δ *Orionis*	25 52	− 0 23	226.9	33.27	2.0...13.5	1878.46	β 4	A and B } *A greenish wh.*
					359.2	52.74	... 6.8	1835.75	Σ 5	A and C
2797	Hd 72	....	26 :	−23 22:	0±	20±	8.7...10	1881.06	Hd	
2798	H 2269	....	26 9	56 37	215.9	25±	9 ...10	1830+	H	
2799	H 2271	SD (7°) 1107	26 11	− 7 54	255.5	15±	9–10=9–10	1830+	H	
2800	A. G. 95	A. G. Lund 2800	26 18	35 44	15.9	24.93	9.0... 9.3	1902.75	β 2	
2801	H 2272	....	26 24	− 5 1	45.4	5±	10 ...11	1830+	H	
2802	En	$W^1 V^h$. 617	26 28	− 6 29	251.4	44.58	8.3... 9.0	1863.10	En 5	
2803	Σ 733	DM (15°) 852	26 34	15 57	38.0	12.09	8.7... 9.5	1828.67	Σ 2	*White*
2804	β 1048	L 10437	26 37	− 1 41	358.2	2.20	6.2...10.7	1889.13	β 3	
2805	A. G. 96	A. G. Alb. 1796	26 49	2 23	234.1	4.69	9.0...10.5	1903.10	M 3	
2806	H. C. Wilson 3	....	27 :	− 1 50:	152.7	2.75	7.0... 9.0	1884.83	W 1	
2807	Σ 735	SD (6°) 1217	27 2	− 6 35	355.2	30.92	8.5... 9.0	1831.15	Σ 2	
2808	β 1049	$W^1 V^h$. 631	27 3	− 1 48	296.1	0.76	8.7... 9.7	1888.91	β 4	C and D } *7.0 wh.* AB = Σ 734
					356.4	1.78	7.0... 8.6	1832.93	Σ 5	A and B
					243.1	29.29	... 8.6	1832.48	Σ 6	A and C
2809	Espin 63	DM (41°) 1227	27 15	41 13	169.9	7.9	8.0...11.0	1901.	Es	(*A. N.* 3784)
2810	A. G. 97	A. G. Leiden 2151	27 19	33 53	265.4	2.03	8.6... 9.0	1902.63	β 2	
2811	A. G. 98	A. G. Lund 2810	27 21	37 56	....	....	....	....		
2812	β 1267	L 10423	27 22	30 51	217.9	0.84	8.5... 8.5	1892.13	β 3	
2813	H 3766	α *Leporis*	27 24	−17 55	154.8	25±	3½...12	1835.9	H	
2814	See 54	Cord. G. C. 6437	27 28	−27 45	269.6	14.10	7.3...12.3	1897.83	See 1	
2815	Tucker	DM (13°) 922	27 43	13 55	50.2	4.86	8.5...10.2	1901.12	A 2	
2816	OΣ 109	Rad^1. 1502	27 52	71 34	128.5	11.06	7.7... 9.0	1847.90	OΣ 3	7.3 *white*
2817	OΣ 110 *rej.*	38 *Orionis*	27 58	3 41	....	....	6 ...	....	OΣ	
2818	H V. 118	DM (−1°) 949	27 58	− 1 7	256.9	....	....	1783.23	H 1	
2819	Bond	....	28 16	− 4 56	....	....	11.2...	....	....	
2820	Σ 737	DM (34°) 1107	28 26	34 3	305.0	10.66	8.2... 8.5	1829.24	Σ 2	*White*
2821	Σ 738	λ *Orionis*	28 32	9 51	40.3	4.24	4.0... 6.0	1830.81	Σ 5	A and B } *Yel'sh: purple*
					182.6	28.13	...11	1856.16	Se 1	A and C
2822	H 3770	O. Arg. S. 4067	28 33	−24 25	10.0	12±	7 ...13	1835.0	H	
2823	β 13	$W^1 V^h$. 676	28 36	− 4 34	128.8	1.38	8.0...10.0	1876.08	Δ 2	
2824	Hn 76	SD (14°) 1171	5 28 36	−14 27	252.2	1.80	9.6...12.0	1888.91	Com 2	A and B }
					219.6	2.76	... 9.8	1888.55	Com 2	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2825	**OΣ 111**	**L** 10492	5^h 28^m 36^s	10° 10′	351°.8	3′.00	6.0...10.2	1857.12	OΣ 4	6.0 *yel'sh wh.*
2826	**Σ 736**	**DM** (41°) 1231	28 36	41 45	342.4	2.02	7.2... 8.5	1830.89	Σ 3	*White: bluish*
2827	**A 489**	**SD** (8°) 1171	28 42	− 8 44	75.8	2.88	8.0...11.0	1903.98	A 3	(*Bul. L. O.* No. 50)
2828	**Σ 743**	**SD** (4°) 1172	28 47	− 4 28	277.8	1.82	6.9... 8.0	1830.70	Σ 4	*Very wh.*
2829	**Σ 741**	**L** 10512	28 48	− 0 12	286.2	10.16	7.5...10.5	1831.67	Σ 2	7.5 *very wh.*
2830	**Σ 745**	**SD** (6°) 1231	28 57	− 6 5	346.5	28.58	8.5... 8.7	1831.15	Σ 2	
2831	**Hu 557**	**DM** (50°) 1204	28 57	51 1	286.2	0.26	8.5... 9.0	1902.71	Hu 2	(*Bul. L. O.* No. 27)
2832	**Σ 744**	**DM** (7°) 939	29 2	7 11	266.5	12.41	8.0...10.7	1829.57	Σ 2	
2833	**Σ 747**	*Orionis* 133	29 10	− 6 5	223.1	35.82	5.6... 6.5	1833.59	Σ 8	*Yel'sh: asky*
2834	**Σ 740**	**DM** (21°) 901	29 13	21 7	118.8	21.76	8.2... 9.0	1830.20	Σ 2	8.2 *yel.*
2835	**Σ 742**	*Tauri* 380	29 14	21 55	251.1	3.32	7.2... 7.8	1837.10	Σ 2	*Yel'sh: wh.*
2836	**Σ 746** *rej.*	**SD** (4°) 1182	29 23	− 4 46	....	Cl. III	8-9... 8-9	....	Σ	From *Cat. Nov.*
2837	**Σ 748**	θ^1 *Orionis*	29 23	− 5 28	31.6	8.71	A=7.0	1836.15	Σ 3	A and B
					131.5	13.00	B=8.0	1836.15	Σ 3	A and C
					95.4	21.41	C=4.7	1836.15	Σ 3	A and D
					162.1	16.85	D=6.3	1836.15	Σ 3	B and C
					299.4	19.23	E=11.3	1836.15	Σ 3	D and B
					240.3	13.34	F=10.8	1836.15	Σ 3	D and C
					353.6	3.86	....	1832.53	Σ 7	A and E
					128.8	3.73	....	1858.78	OΣ 9	C and F
					33.9	7.40	G=16.0	1888.98	β 4	C and G
					270.5	7.03	....	1888.98	β 4	D and G
					178.4	7.94	H=16.0	1889.00	β 2	A and H
					275.6	8.62	H^1=16.5	1889.02	β 3	C and H
					274.0	1.32	....	1889.07	β 1	H and H^1
2838	**H 1157**	....	29 25	− 5 25	310.0	4±	....	1828+	H	
2839	**Σ 16, App. I**	θ^2 *Orionis*	29 29	− 5 30	92.0	52.78	4.8... 6.1	1836.00	Σ 6	*Yel'sh: asky*
2840	**Σ 17, App. I**	θ^1 and θ^2 *Orionis*	....	....	313.8	135.15	....	1836.22	Σ 5	
2841	**Da 4**	42 *Orionis*	29 30	− 4 55	220.1	2.00	5 ... 9	1848.06	Da 2	
2842	**Σ 750**	**SD** (4°) 1186	29 34	− 4 27	59.2	4.29	6.0... 8.0	1831.21	Σ 3	*wh.: ash*
2843	**Σ 752**	ι *Orionis*	29 34	− 5 59	142.2	11.32	3.2... 7.3	1831.86	Σ 3	*Yel'sh wh.: bluish*
2844	**S 490**	**SD** (5°) 1326	29 38	− 5 30	214.1	77.68	9 ...12	1825.21	S 2	
2845	**Σ 749**	W^2 V^h. 842	29 39	26 51	23.4	0.67	7.1... 7.2	1829.48	Σ 4	*Very wh.*
2846	**H 3276**	....	29 41	16 59	64.0	20±	10-11=10-11	1831+	H	
2847	**Σ 751**	**DM** (−1°) 965	29 42	− 1 4	123.8	15.54	8.0... 8.7	1831.15	Σ 2	*White*
2848	**H 2273**	**DM** (57°) 901	29 43	57 4	230.5	15±	8-9...12	1830+	H	
2849	**Hn —**	45 *Orionis*	29 44	− 4 56	168.7	18.91	6½...15	1877.10	Hn 1	
2850	**Da 3**	**L** 10567	30 1	− 5 42	183.7	1.59	7½... 9	1849.36	Da 1	
2851	**Bond**	....	30 13	− 6 55	....	3±	9.7...10.2	....	....	
2852	**A 320**	**SD** (2°) 1312	30 32	− 2 2	177.7	0.90	9.5...10.0	1902.80	A 3	(*Bul. L. O.* No. 29)
2853	**Weisse 9**	W^1 V^h. 735	30 39	−13 54	151.7	44.26	8.5... 9.8	1901.99	β 2	
2854	**Σ 754**	*Orionis* 158	30 44	− 6 8	287.6	5.17	6.5... 9.7	1830.09	Σ 3	*White: blue*
2855	**A 490**	**A. G. Camb.** 2559	30 47	26 51	28.1	0.26	9.2... 9.6	1903.86	A 3	(*Bul. L. O.* No. 50)
2856	**β 1050**	**Bond** 974	30 55	− 5 33	283.6	0.67	10.5...11.7	1889.03	β 3	
2857	**β 1240**	26 *Aurigae*	30 56	30 25	344.4	0.15	5.6... 6.0	1892.00	β 4	A and B
					268.0	12.34	5.8... 8.0	1828.61	Σ 3	AB and C (AC = Σ 753)
					113.2	31.47	...11.5	1877.87	β 1	AB and D
2858	**Σ 739**	....	31 19	66 29	245.8	2.14	8.3... 9.3	1831.60	Σ 3	
2859	**Hd 75**	**DM** (−1°) 981	31 20	− 1 7	200±	40±	....	1869.08	Hd	
2860	**Hd Z**	....	31 20	− 0 57	39.7	18±	....	1879.82	Cin 1	
2861	**Σ 756** *rej.*	**DM** (2°) 1020	31 23	2 15	....	Cl. IV	8-9... 9-10	....	Σ	From *Cat. Nov.*
2862	**OΣ 518**	**DM** (7°) 952	31 27	7 11	....	1.5	8-9... 9	....	OΣ	A and B
					....	25.	...11	....	OΣ	A and C
2863	**β 89**	**L** 10608	31 29	− 1 30	344.2	0.55	7.9... 8.5	1875.68	Δ 3	
2864	....	**SD** (13°) 1195	5 31 33	−13 45	186.9	25.00	8.7...	1902.14	β 1	A and B
					125.9	3.18	11 ...12	1902.14	β 1	B and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer		Notes
2865	**Hu 37**	**SD** (12°) 1215	$5^h 31^m 40^s$	−12°26′	10°4	0″75	9.0...11.3	1900.10	Hu	2	(*A. J.* 480)
2866	**OΣ 112**	**L** 10569	31 41	37 53	85.2	0.64	7.3... 8.0	1848.56	OΣ	3	
2867	**OΣ (App) 65**	**L** 10611	31 42	0 54	31.3	80.11	7.2... 7.7	1875.32	Δ	3	
2868	**Hu 824**	**DM** (35°) 1196	31 46	35 35	159.5	2.80	7.5...13.0	1902.77	Hu	1	(See p. 1066)
2869	**Σ 759**	**DM** (17°) 969	31 47	17 41	323.7	29.71	8.5... 9.1	1830.86	Σ	4	*White*
2870	**Pritchett**	....	31 48:	0 2:	131.2	6.54	....	1881.15	Pt	1	B and C
					127.7	....	....	1881.15	Pt	1	BC and A
2871	**Σ 755**	$W^2 V^h$. 930	31 52	23 13	315.7	5.97	8.3... 9.0	1830.55	Σ	3	8.3 *wh.*
2872	**A 491**	**SD** (6°) 1264	31 57	− 6 47	48.4	0.33	9.3... 9.5	1903.83	A	4	(*Bul. L. O.* No. 50)
2873	**Σ 757**	$W^1 V^h$. 747	31 58	− 0 15	239.8	1.68	8.0... 8.2	1831.16	Σ	3	A and B *Very wh.*
	Σ 758	....	....	....	297.7	11.06	8.5... 9.0	1831.67	Σ	4	C and D
					86.5	50.86	....	1831.16	Σ	3	A and C
					261.9	138.32	8 ...10	1825.00	S	2	A and E
2874	**Hu 825**	**DM** (35°) 1197	32 0	35 56	343.1	0.27	8.0... 8.2	1902.77	Hu	1	(See p. 1066)
2875	**β 1051**	**Bond** 1096	32 1	− 4 57	24.7	0.75	10.1...10.7	1889.09	β	3	
2876	**H 3776**	**O. Arg. S.** 4130	32 5	−27 31	162.3	30±	9½...10	1837.1	H		
2877	**Hd 76**	**DM** (−1°) 985	32 5	− 1 49	350±	5±	9 ...	1869.08	Hd		"Doubtful"
2878	**H 705**	....	32 11	27 6	280±	9±	10 ...11	1820+	H		A and B
					340±	10±	...17	1820+	H		B and C
2879	**Σ 703** *rej.*	**DM** (85°) 82	32 20:	85 36	....	Cl. IV	8–9...11	....	Σ		From *Cat. Nov.*
2880	**H 3277**	**DM** (17°) 972	32 23	17 41	73.5	20±	9–10...14	1831+	H		
2881	**Σ 761**	**SD** (2°) 1323	32 33	− 2 38	201.6	68.07	7.9... 8.2	1830.91	Σ	4	A and B *White*
					267.8	8.35	... 8.7	1830.91	Σ	4	B and C
2882	**Σ 763**	**DM** (10°) 838	32 40	10 12	320.1	5.84	8.2... 8.8	1830.17	Σ	3	*Yel'sh: yel'sh wh.*
2883	**β 1032**	*σ Orionis*	32 43	− 2 40	357.0	0.26	4.0... 6.0	1888.81	β	4	A and B *A wh.: DE ash* (ACD= Σ 762)
					236.5	11.00	...10.3	1831.42	Σ	4	AB and C
					84.5	12.86	... 7.5	1831.20	Σ	3	AB and D
					60.9	41.64	... 6.3	1869.97	Δ	4	AB and E
					230.8	30.03	... 7.0	1831.20	Σ	3	E and D
2884	**A. G. 99**	**DM** (22°) 978	32 48	22 28	142.2	7.60	9.3... 9.8	1901.63	Ku	2	
2885	**OΣ 113**	**L** 10655	33 9	12 57	27.8	10.15	7.0...10.7	1847.53	OΣ	3	7.0 *white*
2886	**Σ 766**	$W^2 V^h$. 1011	33 26	15 17	276.1	9.55	6.8... 8.0	1829.88	Σ	4	*Wh.: bluish*
2887	**Σ 764**	$W^2 V^h$. 1003	33 42	29 26	13.8	25.85	6.3... 6.8	1831.25	Σ	3	*Very wh.*
2888	**H 2274**	....	33 53	55 44	319.0	2±	11 ...15	1830.+	H		"A third near"
2889	**β 321**	*Leporis* 45	33 59	−17 55	144.5	0.68	6.8... 8.3	1877.33	Δ	3	A and B
					357.5	1.26	9.3... 9.7	1877.34	Δ	3	C and D
					136.0	89.46	... 9.0	1876.59	Δ	2	AB and C
					6.2	76.20	... 8.0	1876.59	Δ	2	AB and E
					298.5	126.46	... 8.5	1876.59	Δ	2	AB and F
					48.7	60.3	...10	1878.17	β	1	AB and G
					310.4	41.79	...13	1878.17	β	1	AB and H
2890	**H 2275**	....	34 2	1 53	322.4	20±	10–11..11–12	1830+	H		
2891	**Weisse 10**	$W^2 V^h$. 1005	34 3	40 49	17.9	20.98	9.0... 9.0	1901.78	β	2	
2892	**H 369**	....	34 17	32 40	210±	4±	11 ...12	1820+	H		
2893	**A 492**	**A. G. Camb.** 2604	34 18	26 58	98.8	2.64	8.8...13.5	1903.48	A	3	(*Bul. L. O.* No 50)
2894	**H 706**	....	34 20	32 59	290±	4±	13 ...14	1820+	H		
2895	**H 370**	....	34 22	32 43	265±	3±	11 ...12	1820+	H		
2896	**β 1007**	126 *Tauri*	34 22	16 28	266.2	0.27	6.0... 6.2	1881.26	β	2	
2897	**Hd 77**	....	34 25:	−20 30:	300±	12±	9 ...11	1869.08	Hd		
2898	**Σ 770**	**DM** (19°) 1019	34 30	19 9	341.1	1.28	8.5...10.2	1830.52	Σ	3	8.5 *yel'sh*
2899	**Hd 78**	**L** 10748	34 35	−20 30	122.6	11.79	7½... 8½	1870.06	Hd	1	A and B
					83.2	33.58	...12	1870.06	Hd	1	A and C
2900	**β 322**	**O. Arg. S.** 4178	34 40	−25 13	104.2	2.23	8.0... 9.5	1877.11	Cin	1	
2901	**Σ 771**	**DM** (19°) 1026	34 42	19 29	234.6	26.34	9.0... 9.2	1829.12	Σ	3	
2902	**Σ 774**	*ζ Orionis*	5 34 42	− 2 0	151.3	2.55	2.0... 5.7	1836.22	Σ	5	A and B *Yel.: reddish olive*
					7.0	60±	...(10)	1781.77	H	1	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2903	**OΣ 114**	**L 10720**	5^h 34^m 46^s	16° 10′	275°4	2′94	7.3... 9.5	1847.09	OΣ 3	8.2 *white*
2904	**Σ 768** *rej.*	**W^2 V^h. 1041**	34 48	41 4	....	Cl. IV	7 ... 9–10	....	Σ	From *Cat. Nov.*
2905	**β 14**	**L 10696**	34 48	29 47	194.7	5.71	7.4...10.5	1875.43	Δ 4	
2906	**Σ 772**	**DM (21°) 937**	34 54	21 31	243.2	29.85	8.0... 9.0	1829.87	Σ 3	*White*
2907	**Σ 773**	**DM (33°) 1126**	34 55	33 19	218.8	26.86	8.5...10.0	1831.09	Σ 3	8.5 *wh.*
2908	**Ho 509**	**L 10703**	35 4	33 15	205.4	11.50	7 ...12	1897.07	Ho 3	
2909	**H 707**	....	35 20	26 50	200±	10±	10 ...12	1820+	H	
2910	**A 493**	**SD (7°) 1150**	35 29	− 7 32	120.0	2.87	9.0...10.5	1903.79	A 2	(*Bul. L. O.* No. 50)
2911	**A 116**	**A. G. Leip. 1760**	35 37	12 55	295.1	1.17	8.5...12.0	1901.25	A 3	
2912	**Kr 27**	**A. G. Hels. 4160**	35 38	56 45	326.2	2.30	8.6...10.0	1890.77	β 1	
2913	**β 1052**	**L 10776**	35 39	− 2 57	189.1	0.66	7.2... 8.2	1889.14	β 3	
2914	**Σ 776**	**DM (25°) 934**	35 39	25 18	104.7	2.07	8.2... 9.2	1830.89	Σ 3	
2915	**Σ 769**	**DM (53°) 941**	35 45	53 16	173.1	3.90	8.0...10.2	1830.54	Σ 3	
2916	**H 3785**	**SD (14°) 1207**	35 48	−14 20	120.9	20±	10 ...10	1836.9	H	
2917	**Σ 775**	**DM (40°) 1397**	36 0	40 21	66.8	22.52	8.0... 9.5	1830.26	Σ 3	8.0 *very wh.*
2918	**Hu 105**	**DM (21°) 945**	36 1	21 21	191.3	1.46	9.0...10.8	1900.25	Hu 2	(*A. J.* 485)
2919	**Σ 777**	**DM (22°) 1007**	36 7	22 9	85.4	4.55	8.7... 8.8	1830.76	Σ 3	*White*
2920	**Σ 778**	**DM (30°) 992**	36 21	30 53	185.8	3.22	7.7... 9.0	1828.61	Σ 3	7.7 *yel'sh wh.*
2921	**H 3788**	**Lac. 1946**	36 29	−26 25	151.3	25±	7½... 9	1835.0	H	Cin^5 154°1 (1878.06) 1n
2922	**Espin 64**	**DM (41°) 1264**	36 36	41 47	70.4	2.5	9.2...10.2	1901.	Es	(*A. N.* 3784)
2923	**Σ 782**	**W^1 V^h. 908**	36 47	− 0 2	309.4	36.16	7.8... 8.3	1831.16	Σ 3	*White*
2924	**Σ 779**	**DM (27°) 849**	36 48	27 41	251.9	8.26	8.0...10.0	1831.25	Σ 2	*Wh.: blue*
2925	**A 117**	**A. G. Leip. 1769**	36 51	12 56	255.7	0.45	8.5... 8.7	1901.25	A 3	
2926	**Σ 3115**	**L 10722**	36 57	62 46	35.6	1.68	6.7... 7.8	1831.63	Σ 3	*Wh.: ashy wh.*
2927	**Σ 783**	**DM (28°) 868**	37 0	28 58	358.8	9.81	8.0... 9.7	1831.25	Σ 2	*Very wh.: reddish purple*
2928	**A 494**	**SD (6°) 1293**	37 4	− 6 51	121.4	0.14	6.9... 7.8	1903.80	A 4	A and B (*Bul. L. O.* No. 50)
					199.0	1.03	10.0...13.5	1903.99	A 2	C and D
					231.8	99.00	....	1903.98	A 1	AB and C
2929	**β 752**	**DM (47°) 1193**	37 19	47 51	....	....	7.5...	1879.	β	
2930	**Ho 510**	**DM (33°) 1140**	37 20	33 40	243.9	1.12	9.0... 9.2	1897.08	Ho 3	(*A. N.* 3557)
2931	**A 118**	**A. G. Leip. 1773**	37 24	13 16	358.2	2.35	9.5... 9.6	1901.23	A 3	(See p. 1066)
2932	**Σ 781**	**DM (32°) 1078**	37 26	32 20	121.5	14.94	8.7...10.2	1830.76	Σ 2	
2933	**A 496**	**A. G. Camb. 2660**	37 28	26 17	11.2	0.24	7.4... 8.0	1903.94	A 3	
2934	**Σ 760** *rej.*	**O. Arg. N. 6128**	37 35	76 50	....	Cl. IV	8 ...11	....	Σ	From *Cat. Nov.*
2935	**A 495**	**SD (7°) 1156**	37 40	− 7 57	49.3	0.50	8.3... 9.4	1903.84	A 4	(*Bul. L. O.* No. 50)
2936	**OΣ 115**	**L 10823**	37 40	15 1	123.1	0.76	7.1... 7.9	1847.82	OΣ 4	
2937	**Hu 38**	**DM (22°) 1017**	37 42	22 51	145.5	0.51	8.6... 8.8	1900.01	Hu 3	(*A. J.* 480)
2938	**H 2277**	....	37 48	2 46	200.5	8±	10 ...11	1830+	H	"A neat star"
2939	**H 708**	**DM (33°) 1144**	37 57	33 40	260±	3–4	10 ...12	1820+	H	
2940	**Σ 788**	**W^1 V^h. 950**	38 24	3 47	88.4	7.18	7.5... 9.2	1831.92	Σ 4	A and B 7.5 *yel.*
					147.1	36.07	... 9.9	1831.92	Σ 4	A and C
2941	**Σ 785**	**L 10838**	38 29	25 52	348.6	13.81	6.7... 7.7	1830.74	Σ 4	A and B *wh.: bluish wh.*
					66.4	18.34	...12.2	1846.04	OΣ 2	A and C
2942	**H —**	**DM (17°) 994**	38 40	17 33	280.9	24.91	9 ... 9–10	1831.08	H 1	
2943	**Σ 789** *rej.*	**W^1 V^h. 955**	38 42	3 57	154.6	18±	7–8...11	1830+	H	From H (V)
2944	**A 497**	**SD (7°) 1162**	38 46	− 7 48	181.0	2.20	8.0...10.0	1903.81	A 2	(*Bul. L. O.* No. 50)
2945	**Σ 787**	**DM (21°) 978**	38 50	21 16	78.5	1.38	8.1... 8.5	1832.92	Σ 4	*Very wh.*
2946	**Σ 786**	**DM (20°) 1085**	38 52	20 12	335.8	5.99	7.7...10.7	1832.48	Σ 3	7.7 *yel.*
2947	**Σ 780**	**O. Arg. N. 6179**	38 57	65 43	103.5	3.75	6.7... 7.9	1831.79	Σ 4	A and B 6.7 *yel.:* 7.9 *blue*
					154.8	10.93	...10.2	1831.62	Σ 3	A and C
2948	**S 498**	γ *Leporis*	39 27	−22 29	349.4	93.84	5 ... 8	1825.04	S 2	
2949	**H 3791**	**O. Arg. S. 4263**	39 31	−20 45	54.8	8±	8 ... 9½	1835.9	H	
2950	**O. Stone 11**	**SD (21°) 1250**	39 33	−21 5	144.4	12±	9.0... 9.5	1876.05	Cin 1	From Cin^3
2951	**H 709**	....	39 41	28 56	130±	2±	17 ...18	1820+	H	
2952	**Ho 336**	**L 10949**	39 41	−21 43	237.7	19.49	7 ...12	1890.10	Ho 1	
2953	**Hn 77**	**Lam. 35**	5 39 45	−15 13	293.4	1.86	9.7...10.2	1888.39	Com 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
2954	Δ 9	DM (24°) 956	$5^h\ 39^m\ 53^s$	24°36′	272°5	1″60	9.7...10.3	1876.45	Δ 3	
2955	Ho 19	L 10871	39 55	35 7	342.2	7.02	6.5...12.5	1886.20	Ho 2	
2956	Hu 39	DM (21°) 984	39 57	21 50	43.2	0.30	8.4... 8.5	1900.06	Hu 3	(*A. J.* 480)
2957	Σ 790	*Orionis* 187	40 6	− 4 19	89.1	6.82	7.0... 9.3	1830.84	Σ 3	*Reddish yel.: blue*
2958	H 2279	....	40 16	54 48	20.5	15±	10 ...10	1830+	H	
2959	Ħ IV. 125	29 *Camelopardali*	40 19	56 53	137.6	22.43	....	1783.50	Ħ 1	
2960	OΣ 117	L 10898	40 28	30 29	29.3	11.92	7.0... 9.7	1847.42	OΣ 3	6.8 *yel.*
2961	β 91	L 10913	40 29	20 54	82.0	1.57	7.5...10.0	1875.34	Δ 3	
2962	....	DM (17°) 1005	40 32	17 34	170.8	15.50	9.0... 9.2	1903.85	β 2	
2963	OΣ (App) 66	P V^h. 214	40 33	24 39	165.7	94.21	6.5... 7.0	1874.60	Δ 3	
2964	β 559	DM (0°) 1177	40 36	0 2	85.3	1.74	9.0...11.5	1878.12	β 4	A and B
					201.8	50.72	... 9.0	1879.13	β 4	A and C
2965	β 892	DM (17°) 1006	40 40	17 41	272.8	1.19	8.8...13.0	1879.09	β 2	
2966	H 2276	....	40 47	72 55	216.9	13±	12 ...13	1830+	H	
2967	Σ 792	SD (3°) 1192	40 47	− 3 18	133.9	24.94	8.2... 8.7	1831.16	Σ	*Yel'sh*
2968	β 192	τ *Aurigae*	40 52	39 8	350.0	38.93	5 ...12.0	1877.82	β 1	A and B
					32.9	47.85	...12.0	1877.82	β 1	A and C
2969	H 3279	133 *Tauri*	40 54	13 51	295.1	16±	6 ...16	1831+	H	A and B
					....	....	...15	1831+	H	A and C
2970	β 92	$W^2\ V^h$. 1309	40 57	21 4	170.2	8.87	9.3...11.0	1875.45	Δ 2	
2971	H 372	....	41 6	23 39	205±	12±	10 ...11	1820+	H	
2972	OΣ 118	P V^h. 222	41 13	20 50	318.7	0.56	6.2... 7.7	1854.23	OΣ 4	A and B AB *white*
					160.6	75.52	... 7.2	1847.89	OΣ 3	AB and C
2973	....	DM (12°) 901	41 15	12 1	339.2	9.45	8.1...13	1901.13	β 3	
2974	β 561	L 10969	41 18	12 22	4.0	19.70	7 ...13	1878.09	β 1	
2975	OΣ 119	L 10974	41 24	7 55	303.9	0.64	7.5... 8.3	1848.56	OΣ 3	
2976	Σ 795	52 *Orionis*	41 33	6 25	200.1	1.75	6.2... 6.2	1831.23	Σ 3	*Yel'sh: pale yel'sh*
2977	β 560	L 10958	41 37	29 41	208.2	0.94	8.0... 8.0	1877.88	β 1	
2978	Σ 791	DM (39°) 1421	41 42	39 32	90.2	4.86	8.7... 9.3	1830.23	Σ 3	*White*
2979	β 93	$W^2\ \bar{V}^h$. 1332	41 44	20 59	121.7	60.03	8.3...	1891.85	β 2	A and B
					167.0	5.71	9.1... 9.2	1891.85	β 2	B and C
					323.6	9.43	...11.2	1891.85	β 2	B and D
2980	β 15	L 11005	41 45	− 2 20	174.3	2.07	7.8...12.0	1875.60	Δ 2	
2981	S 500	L 10961	41 53	32 56	88.9	59.46	9 ...10	1825.06	S 3	
2982	H 5465	L 10989	42 5	11 57	45±	12±	7 ...	1823+	H	
2983	Σ 797	$W^1\ \bar{V}^h$. 1029	42 6	4 40	14.9	7.05	7.1... 9.9	1832.40	Σ 4	*7.1 very wh.*
2984	Σ 796	P V^h. 225	42 7	31 45	61.2	3.60	6.9... 8.0	1830.79	Σ 5	*Wh.: bluish wh.*
2985	H 3798	O. Arg. S. 4317	42 17	−24 33	65.9	20±	9 ... 9	1835.9	H	
2986	β 405	$W^1\ V^h$. 1045	42 22	−13 34	125.1	14.50	8.5...11.0	1877.95	β 1	
2987	Σ 798	SD (8°) 1219	42 25	− 8 25	181.4	20.72	7.2... 9.2	1830.67	Σ 2	*7.2 very wh.*
2988	A. G. 100	DM (21°) 1008	42 25	21 47	....	....	8.7...	....	....	
2989	A 498	SD (6°) 1317	42 31	− 6 41	178.7	0.96	8.0...11.5	1903.82	A 3	(*Bul. L. O.* No. 50)
2990	Σ 794	....	42 39	48 42	313.9	9.35	8.5...10.2	1830.61	Σ 3	
2991	A 499	SD (8°) 1223	42 55	− 8 58	264.0	3.12	9.5...10.8	1903.94	A 2	B and C (*Bul. L. O.* No. 50)
					178.8	27.60	8.5...	1903.94	A 1	A and B
2992	Σ 801 *rej.*	$W^1\ V^h$. 1066	42 56	−13 24	....	Cl. IV	7 ...10	....	Σ	
2993	Hu 78	SD (12°) 1275	42 57	−12 45	167.7	1.84	9.0... 9.2	1888.18	Com 3	
2994	H 2280	SD (3°) 1204	43 0	− 3 21	18.0	12±	10 ...11	1830+	H	
2995	β 406	$W^1\ V^h$. 1068	43 1	−13 28	243.1	12.01	9.0...12.0	1877.95	β 1	
2996	Ħ V. 90	ν *Aurigae*	43 10	39 7	331.8	53.72	....	1783.18	Ħ 1	
2997	H 3799	O. Arg. S. 4329	43 11	−18 45	149.5	2½	9 ... 9½	1835.9	H	
2998	A 500	SD (9°) 1242	43 14	− 9 45	222.4	3.62	9.5...14.0	1903.99	A 2	B and C
					96.7	26.32	... 9.0	1903.99	A 2	A and B
2999	H 710	....	43 21	35 33	335±	10±	10 ...10+	1820+	H	
3000	H 712	DM (6°) 1035	43 21	6 3	70±	8±	9 ...10	1820+	H	
3001	H 711	....	5 43 34	28 15	320±	5±	10 ...12	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1850	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3002	*Schj.* 3	W^1 V^h. 1084	$5^h 43^m 43^s$	− 4°30′	....	56!	8.5... 9.5	....	....	
3003	Σ 799	DM (38°) 1318	43 57	38 32	192.5	1.06	7.2... 8.3	1829.87	Σ 5	*White*
3004	Ku 23	DM (14°) 1047	43 59	14 24	103.5	0.95	7.0... 9.0	1902.14	Ku 2	Kustner (3821)
3005	Σ 793 *rej.*	DM (71°) 328	44 4	71 33	235.1	18.±	10 ...12	1830+	H	Measures from H (V) (See p.1066)
3006	Σ 802	DM (40°) 1435	44 6	40 7	108.7	3.22	7.9... 8.5	1828.77	Σ 4	*Very wh.*
3007	Σ 806	DM (17°) 1032	44 6	17 51	198.8	10.69	8.8... 8.8	1830.12	Σ 3	
3008	β 94	*Leporis* 61	44 9	−14 31	179.4	2.73	6.0... 9.4	1876.16	Δ 4	
3009	Hu 40	DM (20°) 1135	44 11	20 6	10.2	3.61	8.5... 9.5	1900.07	Hu 1	(*A. J.* 480)
3010	Σ 805	W^2 V^h. 1411	44 12	28 25	48.4	12.12	7.7... 8.4	1829.49	Σ 4	*White*
3011	H 2281	DM (2°) 1072	44 13	2 33	321.7	12±	9 ...14	1830+	H	
3012	Σ 803 *rej.*	DM (40°) 1438	44 13	40 6	....	Cl. III	8 ...10	....	Σ	
3013	Ku 24	DM (50°) 1242	44 17	50 9	258.5	1.43	9.4...10.0	1901.58	Ku 2	
3014	A. G. 101	A. G. Lund 2570	44 20	36 16	43.9	9.77	9.0... 9.5	1902.78	β 2	
3015	β 1188	L 11084	44 33	− 1 28	106.0	1.23	7.9...10.3	1890.84	β 3	A and B A *yel.:* B *ash*
					101.2	25.70	7.7... 8.8	1831.16	Σ 3	A and C (AC= Σ 809)
3016	Hu 448	DM (20°) 1141	44 44	20 35	236.7	2.74	9.0...11.5	1901.98	Hu 3	(*Bul. L. O.* No. 21)
3017	Σ 807	DM (34°) 1203	44 54	34 25	139.7	2.15	7.3... 9.3	1829.60	Σ 3	7.3 *yel'sh*
3018	O. Stone 12	....	44 59:	−24 21:	181.3	6.08	9.5...11.6	1876.01	Cin 1	
3019	Δ 10	DM (29°) 1027	45 6	29 45	165.7	2.92	8.5...11.6	1873.92	Δ 5	A and B (AC= Σ 808)
					57.4	16.06	... 8.5	1829.25	Σ 2	A and C
3020	β 1053	*Aurigae* 146	45 18	37 19	283.2	0.43	7.5... 9.5	1889.92	β 1	
3021	H 32	....	45 46:	− 7 30:	190±	20±	9 ...12	1820+	H	
3022	β 1054	136 *Tauri*	45 47	27 35	232.2	15.00	6.0...12.0	1889.08	β 3	
3023	OΣ 120 *rej.*	Rad^1. 1568	45 52	53 26	133.7	43.99	6.7... 7.8	1867.04	Δ 3	
3024	See 56	Cord. DM (24°) 3485	45 53	−24 22	237.2	7.15	8 ...11.3	1897.76	See 1	
3025	H 3804	SD (12°) 1291	45 57	−12 48	50.6	10±	9½...12	1836.9	H	
3026	Weisse 11	W^2 V^h. 1459	46 5	38 34	....	....	9 ...	....	....	
3027	Doo —	....	46 6	52 57	354.4	6.68	9 ... 9	1897.01	Doo	
3028	Σ 813	DM (18°) 997	46 6	18 55	148.1	3.24	8.0... 8.0	1831.19	Σ 4	*Very wh.*
3029	β 95	L 11128	46 9	− 7 20	298.2	13.67	8.0...12.0	1878.16	β 1	
3030	....	56 *Orionis*	46 13	1 49	211.8	43.41	5 ...13.5	1901.87	β 2	
3031	Σ 811	W^2 V^h. 1482	46 33	30 28	229.9	5.08	8.0... 9.5	1829.23	Σ 3	8.0 *wh.*
3032	Σ 810	....	46 56	52 54	242.8	2.60	8.8... 9.5	1830.24	Σ 3	
3033	OΣ 123	W^1 V^h. 1172	47 32	10 13	175.9	2.41	7.0... 8.7	1846.77	OΣ 3	*Yel.: ash*
3034	A 501	SD (6°) 1343	47 40	− 6 26	300.1	2.80	9.0...10.8	1903.81	A 2	(*Bul. L. O.* No. 50)
3035	OΣ 122	L 11127	47 41	36 55	108.9	0.36	7.3... 8.0	1847.71	OΣ 2	
3036	β 563	L 11156	47 44	15 29	183.9	7.42	7.8...11.0	1878.06	β 1	
3037	S 502	W^1 V^h. 1178	47 56	13 50	129.2	45.52	8 ... 9	1825.03	S 2	
3038	Ho 20	W^1 V^h. 1182	48 6	14 12	276.8	7.82	7 ...12	1886.19	Ho 2	A and B
					287.3	50.21	...11.5	1886.20	Ho 1	A and C
3039	Σ 815	DM (5°) 1043	48 12	5 19	136.7	12.69	8.2...10.4	1832.09	Σ 6	8.2 *yel'sh*
3040	Innes 348	O. Arg. S. 4412	48 12	−29 4	60.5	4.07	9 ...	1901.08	I 2	
3041	Σ 784	Redhill 826	48 19	84 12	187.7	1.28	8.7... 8.7	1833.25	Σ 4	*Yel'sh wh.*
3042	H 713	....	48 19	33 14	300±	5±	10+...11	1820+	H	
3043	Σ 817	DM (7°) 1054	48 23	7 1	72.4	18.48	8.2... 8.3	1830.50	Σ 3	*Wh.: yel.*
3044	H 714	....	48 25	31 42	276±	5±	10–11..11–12	1820+	H	
3045	Ho 337	DM (23°) 1108	48 27	23 15	120±	8±	9 ...10	1820+	H	A and B
					101.0	0.91	9.0... 9.2	1890.20	Ho 2	B and C
3046	H 715	....	48 28	31 40	315±	9±	10–11..11–12	1820+	H	
3047	Σ 816	DM (5°) 1044	48 30	5 50	289.3	4.25	6.2... 8.7	1830.13	Σ 4	6.2 *very wh.*
3048	♅ VI. 39	α *Orionis*	48 40	7 23	109.5	39.84	Var...14.5	1891.98	β 2	A and B
					289.8	62.01	...14.2	1891.98	β 2	A and C
					347.7	76.77	...13.5	1891.98	β 2	A and D
					152.3	161.77	...11	1786.88	♅ 1	A and E
3049	H 2283	....	48 44	1 35	9.4	20±	10–11...13	1830+	H	"Neat star"
3050	Σ 818	W^1 V^h. 1205	5 48 57	4 42	274.0	5.92	9.2... 9.7	1830.17	Σ 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3051	Σ 819	W¹ Vʰ. 1213	$5^h 48^m 58^s$	−0° 58′	96°9	25″25	8.0… 9.7	1831.16	Σ 3	8.0 *yel'sh*
3052	Σ 820	W¹ Vʰ. 1210	49 9	8 58	110.3	4.66	8.3… 8.8	1831.53	Σ 3	
3053	S 503	W¹ Vʰ. 1206	49 10	13 56	134.1	39.94	7 … 9	1825.07	S 2	A and B
					157.3	28.09	…11.2	1878.00	β 1	A and C
					337.3	201.76	… 8	1825.07	S 2	A and D
3054	G. Anderson 2	L 11231	49 18	−19 44	19.4	9.10	8 …11	1876.09	Hl 2	
3055	Ho 227	DM (11°) 971	49 21	11 30	241.3	2.08	8 …12.5	1890.11	Ho 1	
3056	H 3811	….	49 29	−25 13	245±	20±	8½… 9	1835.9	H	
3057	A. G. 102	A. G. Lund 3022	49 41	37 3	16.2	2.78	9.4… 9.4	1902.77	β [illegible]	
3058	Hu 449	DM (21°) 1053	49 43	21 20	341.1	3.07	9.0…12.2	1901.98	Hu 3	(*Bul. L. O.* No. 21)
3059	Perrine	DM (52°) 1022	49 44	52 41	307.1	1.86	9.0… 9.3	1898.76	P [illegible]	
3060	H 374	….	49 46	27 22	225±	10–12	9 …10	1820+	H	
3061	H 716	….	49 48	28 36	150±	4±	10 …12	1820+	H	
3062	OΣ 121	Rad¹. 1582	49 49	74 0	191.4	0.39	7.3… 8.5	1849.64	OΣ 3	
3063	Σ 812 *rej.*	O. Arg. N. 6330	50 14	65 31	….	Cl. IV	6–7…10–11	….	Σ	
3064	♅ VI. 88	β *Aurigae*	50 43	44 56	35.8	169.10	2 …10½	1783.79	♅ 1	
3065	Σ 821	DM (29°) 1058	50 44	29 37	12.3	2.17	8.0… 9.8	1830.23	Σ 3	8.0 *wh.*
3066	See 57	L 11284	50 48	−21 42	107.6	25.40	6.2…14.4	1897.83	See 2	
3067	A 321	SD (3°) 1241	50 50	− 3 6	128.0	0.49	8.7… 9.1	1902.58	A 3	(*Bul. L. O.* No. 29)
3068	H 33	….	51 4:	− 7 1:	190±	8±	11 …11½	1820+	H	
3069	β 1190	W¹ Vʰ. 1269	51 17	0 1	340.1	1.41	7.4…10.8	1890.85	β 3	A and B
					95.5	6.65	…12.5	1890.85	β 3	A and C
3070	β 1189	Schj. 1985	51 18	0 23	269.5	0.20	8.1… 9.1	1890.90	β 3	A and B
					194.5	58.11	… 8.0	1890.85	β 3	AB and C
3071	H 34		51 22:	7 3:	….	….	….	1820+	H	
3072	H 2285	….	51 30	52 49	293.5	15±	9–10..11	1830+	H	
3073	β 1055	*Aurigae* 161	51 32	44 35	332.9	1.61	6.7…11.5	1888.92	β 3	A and B
					329.7	33.35	… 9.2	1888.92	β 3	A and C
3074	OΣ 545	θ *Aurigae*	51 32	37 12	5.5	2.15	3.0… 7.5	1871.42	OΣ 6	A and B; AB *light green: blue*
					286.0	35.30	…(10)	1783.20	♅ 1	A and C
					352.3	125.05	…(9)	1823.17	Sh 1	A and D
3075	Σ 822 *rej.*	W² Vʰ. 1622	51 35	43 10	….	Cl. IV	7 …10	….	Σ	
3076	H 5466	DM (−1°) 1075	51 38	− 1 50	….	….	8 …	1823+	H	
3077	Σ 823	W¹ Vʰ. 1294	51 57	− 7 40	339.3	7.51	8.5… 9.2	1831.51	Σ 3	*White*
3078	OΣ 124	B. A. C. 1907	52 8	12 48	308.7	0.53	6.0… 7.8	1845.22	OΣ 1	
3079	♅ V. 100	59 *Orionis*	52 10	1 49	205±	37.25	….	1783.02	♅ 1	
3080	H 3280	….	52 12	13 19	94.1	2½	11 …11–12	1831+	H	
3081	OΣ 126	DM (17°) 1082	52 24	17 49	59.3	10.53	7.5…10.0	1846.08	OΣ 3	7.5 *yel.*
3082	A 322	SD (4°) 1310	52 25	− 4 39	356.7	4.17	7.0…13.8	1902.76	A 2	
3083	OΣ 125	Rüm. 1641	52 28	22 28	357.2	1.54	7.0… 8.5	1847.77	OΣ 3	8.5 *red*
3084	H 3818	….	52 34	−27 20	169.3	15±	9 …12	1837.1	H	
3085	Σ 826	DM (−1°) 1080	52 49	− 1 20	115.5	1.84	8.2… 9.2	1832.41	Σ 4	*White*
3086	H 2284	….	53 9	73 31	247.4	7±	12 = 12	1830+	H	
3087	Hu 826	DM (35°) 1309	53 10	35 16	299.6	0.62	9.0…11.0	1902.77	Hu 1	A and B; AC = Ho 511
					169.2	3.81	8.5…10.7	1896.06	Ho 3	AB and C
3088	S 504	L 11376	53 19	−20 10	267.6	5.25	10 …10	1825.01	S 1	
3089	Ho 21	L 11326	53 28	27 34	238.4	9.81	6.7…13	1884.70	Ho 3	
3090	Σ 825	DM (36°) 1332	53 30	36 31	146.2	8.16	7.8… 9.0	1829.91	Σ 3	*White*
3091	A 119	A. G. Camb. 2859	53 41	29 26	205.8	0.43	8.7… 9.0	1900.84	A 3	
3092	OΣ 127	L 11319	53 48	38 43	332.6	1.63	7.0…10.8	1848.72	OΣ [illegible]	7.0 *yel.*
3093	♅ IV. 48	DM (23°) 1148	53 48	23 20	262.5	20.45	….	1783.40	♅ 1	
3094	A. G. 103	DM (20°) 1216	53 55	20 14	100.2	14.37	8.8…10	1902.35	Cg 4	
3095	Σ 827 *rej.*	DM (−0°) 1137	54 0	− 0 31	….	Cl. IV	8 …10	….	Σ	From *Cat. Nov.*
3096	Σ 829	W¹ Vʰ. 1352	54 0	−11 42	238.4	16.50	9.0…10.7	1832.69	Σ 2	A and B
					217.7	4.56	…11.7	1832.69	Σ [illegible]	B and C
3097	H 717	….	5 54 25	34 14	45±	9±	9–10..12	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3098	A 662	SD (7°) 1250	5^h 54^m 57^s	− 7°49′	248°7	1″34	9.8...10.5	1904.03	A 3	(*Bul. L. O.* No. 61)
3099	Hu 559	35 *Camelopardalis*	54 58	51 35	339.5	0.52	9.0...10.0	1902.71	Hu 2	B and C } AB= OΣ 128
					13.1	39.41	6.3... 8.3	1867.01	Δ 3	A and BC
3100	β 564	DM (−1°) 1088	54 59	− 1 34	70.9	1.29	9.0...10.5	1892.04	β 2	
3101	H 2286	....	55 19	58 30	290.0	18±	10 ...12	1830+	H	
3102	A 120	A. G. Camb. 2890	55 26	25 53	162.8	0.58	8.3... 9.5	1901.11	A 2	
3103	H 2287	....	55 31	54 20	312.2	15±	10 ...10+	1830+	H	
3104	A. G. 104	A. G. Lund 3067	55 31	35 50	74.3	2.77	8.9... 9.1	1902.77	β 2	
3105	H 2289	....	55 32	− 4 49	305±	15±	10 ...10	1830+	H	
3106	Barnard 4	DM (22°) 1246	55 35	22 17	193.4	1.91	9.0... 9.3	1900.77	Bar 2	A and B }
					13.	4.84	...13.5	1900.77	Bar 1	A and C }
3107	A 663	SD (7°) 1254	55 37	− 7 46	321.8	2.52	9.0...10.8	1904.00	A 2	(*Bul. L. O.* No. 61)
3108	Σ 832 *rej.*	SD (14°) 1307	55 38	−14 32	86.0	25±	9 ...11	1837.0	H	
3109	Hu 560	DM (49°) 1445	55 38	49 38	24.7	0.93	9.0...11.0	1902.71	Hu 3	(*Bul. L. O.* No. 27)
3110	H 3821	SD (21°) 1324	55 44	−21 0	212.0	25±	9 ... 9½	1835.9	H	
3111	β 1056	*μ Orionis*	55 47	9 39	272.0	16.80	4 ...14	1889.11	β 3	
3112	H 3823	Cord. G. C. 7127	55 51	−31 3	130.5	4.84	9=9	1836.95	H 1	
3113	Σ 830	W^2 V^h. 1784	55 54	27 39	249.6	12.82	8.2... 8.7	1830.54	Σ 3	A and B } 8.2 *yel'sh*
					187.7	25.21	...10.8	1831.56	Σ 3	A and C
3114	H 2290	DM (0°) 1255	56 1	0 59	114.5	8±	10 ...12	1830+	H	"Neat star, but thick haze"
3115	H 5467	....	56 9	27 41	160±	4±	11 ...12	1823+	H	"In the field with Σ 830"
3116	β 16	3 *Monocerotis*	56 12	−10 36	356.1	1.80	5½...10	1872.14	Kn 1	
3117	A 214	DM (31°) 1181	56 14	31 38	282.2	0.54	8.7...10.8	1901.93	A 2	
3118	Σ 836	SD (2°) 1453	56 29	− 2 22	27.8	1.93	8.3...10.8	1832.49	Σ 3	
3119	H 2288	....	56 32	54 17	118±	10±	11 ...12	1830+	H	
3120	A 502	SD (9°) 1303	56 33	− 9 11	68.1	2.19	9.0...12.5	1903.99	A 2	(*Bul. L. O.* No. 50)
3121	β 893	B. A. C. 1935	56 49	37 58	128.0	17.60	6.2...12.5	1878.90	β 2	
3122	A 664	SD (8°) 1293	56 51	− 8 34	217.8	0.96	9.2...12.0	1904.04	A 2	(*Bul. L. O.* No. 61)
3123	Σ 834	DM (30°) 1098	56 52	30 14	307.9	22.87	8.0... 8.8	1831.11	Σ 3	*White*
3124	Hu 827	DM (32°) 1178	57 2	32 11	109.9	0.24	9.0... 9.0	1902.75	Hu 1	(See p. 1066)
3125	Σ 837 *rej.*	W^1 V^h. 1433	57 17	4 19	....	Cl. IV	7 ...10	....	Σ	
3126	H 3825	Lac. 2107	57 21	−27 25	342.8	25±	7½...11	1835.0	H	"Another similar *np*"
3127	Σ 824	*Camelopardalis* 102	57 44	76 32	214.6	1.72	8.0...10.0	1831.96	Σ 3	8.0 *white*
3128	See 58	O. Arg. S. 4575	57 46	−21 48	206.2	1.72	7.5...10.8	1897.80	See 1	
3129	Σ 835	DM (18°) 1078	57 57	18 19	146.6	2.24	8.0... 9.0	1830.88	Σ 3	*Yel. wh.: ash*
3130	Σ 831	DM (67°) 414	58 18	68 0	74.1	11.82	8.7... 8.7	1831.30	Σ 3	
3131	A 215	DM (31°) 1194	58 24	31 7	21.5	0.95	9.6... 9.7	1901.94	A 3	
3132	See 59	Lac. 2115	58 25	−26 17	202.6	21.30	6 ...15	1897.83	See 1	
3133	OΣ 129	*Aurigae* 183	58 43	29 31	207.7	9.83	6.3...11.0	1848.21	OΣ 3	A *golden yel.*
3134	Hu 450	DM (23°) 1187	58 43	23 31	235.0	0.41	8.5...10.0	1901.89	Hu 5	(*Bul. L. O.* No. 21)
3135	Skinner 2	SD (15°) 1261	58 43	−15 40	169.1	4.82	8.4...	1900.83	Boe 1	
3136	Σ 839	SD (2°) 1467	58 52	− 2 43	286.0	4.76	8.7... 9.2	1831.51	Σ 3	*White*
3137	Σ 838	L 11542	58 57	0 52	326.6	40.07	6.7... 8.8	1830.79	Σ 3	6.7 *yel.*
3138	A 503	SD (6°) 1400	59 9	− 6 6	265.1	0.37	9.1... 9.5	1903.81	A 3	A and B } (*Bul. L. O.* No. 50)
					254.0	5.30	...14.2	1903.80	A 2	AB and C
3139	OΣ 130	L 11493	59 14	42 41	183.9	0.46	6.8... 8.2	1847.75	OΣ 4	
3140	A 665	SD (7°) 1274	59 15	− 7 56	108.4	2.45	8.5...10.5	1904.00	A 2	(*Bul. L. O.* No. 61)
3141	Ho 228	W^1 V^h. 1477	59 17	12 29	264.9	1.81	8.0...11.0	1887.09	Ho 2	(*A. N.* 2977)
3142	OΣ 131	L 11513	59 19	36 17	274.9	1.47	7.0...10.2	1847.20	OΣ 2	7.0 *wh.* (See p. 1066)
3143	Glasenapp 2	....	59 33:	18 13:	38.3	4.63	8.7...11.0	1893.08	Gla 3	
3144	A. G. 105	DM (20°) 1259	59 35	20 7	199.0	1.51	8.7...10	1902.20	M 2	
3145	H 2291	DM (55°) 1059	59 38	55 6	156.4	1½	11=11	1830+	H	
3146	Σ 840	L 11564	59 49	10 46	247.2	21.14	6.2... 8.5	1830.45	Σ 4	A and BC } 6.2 *yel'sh* BC *red*
					183.5	0.91	... 8.7	1830.89	Σ 3	B and C
3147	H 718	....	59 51	29 46	160±	1¾	11 ...12	1820+	H	"Neat star"
3148	OΣ 132	L 11529	5 59 58	38 0	313.9	1.58	6.8...10.0	1847.20	OΣ 2	*White*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3149	H 2293	SD (7°) 1277	$5^h\ 59^m\ 58^s$	− 7°24′	203°.5	4″±	10 ...11	1830+	H	
3150	Ḩ V. 14	....	6 0 ±	− 5 ±	....	60±	....	1779.92	Ḩ	
3151	Hd 81	....	0 ±	5 1:	304.8	15.66	10 ...11	1867.08	Hd 1	
3152	Ḩ VI. 23	....	0 ±	59 ±	....	120±	....	1780.60	Ḩ	"Unidentifiable"
3153	H 378	$W^2\ V^h$. 1933	0 14	28 58	85±	10±	10 ...10+	1820+	H	"Duplex 12″" in W^2
3154	Arg. 12	O. Arg. S. 4618	0 23	−25 1	295.6	4.69	8.0... 8.0	1876.05	Cin 5	
3155	Ho 512	SD (13°) 1350	0 25	−13 14	352.7	15.12	7 ...13	1898.15	Ho 1	(*A. N.* 3557)
3156	Σ 843 *rej.*	....	0 27:	−14 21:	....	Cl. II	9 ...10	....	Σ	
3157	H 3830	O. Arg. S. 4625	0 43	−28 40	1.7	8±	9=9	1837.1	H	
3158	Σ 842 *rej.*	....	0 44:	36 32:	....	Cl. IV	8 ...10	....	Σ	
3159	OΣ 133	L 11599	0 51	21 19	34.3	3.08	6.9...10.1	1853.79	OΣ 3	
3160	A 504	SD (8°) 1322	0 59	− 8 41	146.2	0.78	9.5... 9.6	1903.99	A 2	A and B (*Bul.L.O.* No. 50)
					350.5	11.70	...15.0	1903.99	A 1	A and C
3161	H 5468	....	1 ±	31 42:	75±	10±	9 ...10	1827.1	H	"Place very precarious"
3162	Σ 847	DM (0°) 1289	1 0	0 21	263.7	24.90	8.7... 9.3	1831.84	Σ 3	
3163	H 2295	....	1 5	− 3 38	346.5	8±	11=11	1830+	H	
3164	Σ 846	DM (2°) 1137	1 10	2 9	137.9	12.58	8.2...10.7	1831.66	Σ 2	
3165	Arg. 13	O. Arg. N. 6535	1 16	57 3	250.2	25.24	7.5... 8.5	1881.29	OΣ 1	
3166	H 379	L 11603	1 20	31 17	130±	5–6	8 ...18	1820+	H	
3167	Σ 850	SD (3°) 1301	1 24	− 3 59	15.8	2.09	8.5...10.2	1832.49	Σ 3	8.5 *yel'sh*
3168	H 380	....	1 26	34 30	200±	15±	10 ...10	1820+	H	
3169	Σ 844	DM (13°) 1120	1 30	14 1	5.9	23.58	8.2... 8.8	1830.44	Σ 3	
3170	H 3833	B. A. C. 1965	1 32	−23 6	....	Cl. V	6 ...11	1834+	H	
3171	Σ 848	DM (14°) 1124	1 42	13 59	108.5	2.35	7.3... 8.0	1831.10	Σ 3	A and B; AB *white*
					296.5	15.16	...12.0	1872.19	Du 2	A and C
					120.4	28.59	... 8.2	1830.10	Σ 2	A and D
					182.8	43.05	... 9.0	1830.10	Σ 2	A and E
3172	Σ 849	DM (17°) 1139	1 45	17 25	244.1	0.91	8.5... 8.9	1832.21	Σ 4	*Yel'sh*
3173	A 121	....	1 45	28 40	162.6	0.66	10.2...10.5	1901.07	A 2	
3174	Σ 851	$W^1\ V^h$. 1563	1 46	3 18	26.4	2.89	8.2... 8.7	1831.52	Σ 3	*White*
3175	H 3835	L 11687	1 51	−23 5	....	Cl. IV	8 ...11	1834+	H	
3176	OΣ 134	DM (24°) 1126	1 54	24 27	188.2	30.93	7.0... 8.3	1848.44	OΣ 3	*Yel.: blue*
3177	H 2296	....	1 56	− 3 20	332.6	6±	11 ...14	1830+	H	"Difficult"
3178	A 54	A. G. Camb. 2997	2 5	29 15	344.6	0.53	7.5... 8.8	1900.23	A 4	
3179	Σ 852	DM (7°) 1147	2 7	7 23	318.5	9.19	8.7... 9.7	1830.18	Σ 2	
3180	Σ 854	$W^1\ V^h$. 1572	2 7	5 49	322.4	5.55	8.4...10.0	1832.37	Σ 5	8.4 *wh.*
3181	Σ 845	41 *Aurigae*	2 25	48 44	353.1	8.00	5.2... 6.4	1830.31	Σ 6	*Very wh.*
3182	β 1241	3 *Geminorum*	2 27	23 8	344.7	0.53	5.9...10.0	1891.84	β 3	A and B
					63.3	18.36	...14.5	1891.85	β 1	A and C
3183	Σ 853	DM (11°) 1044	2 28	11 41	340.1	24.06	7.8... 8.3	1830.52	Σ 3	*White*
3184	Σ 856	DM (7°) 1149	2 34	7 4	47.4	10.28	8.3...10.5	1831.17	Σ 3	8.2 *yel'sh*
3185	Σ 855	$W^1\ V^h$. 1586	2 42	2 31	113.2	29.29	5.8... 6.8	1831.22	Σ 3	*White*
3186	β 17	4 *Monocerotis*	2 48	−11 8	178.6	3.38	6.5...10.5	1872.14	Kn 1	A and B
					244.5	8.95	...11.5	1876.78	Δ 1	A and C
3187	....	DM (33°) 1265	2 53	33 1	332.2	14.06	8.5...11.5	1902.72	β 2	
3188	H 35	....	2 53:	− 7 28:	60±	10–15	12 ...12½	1820+	H	
3189	A. G. 106	A. G. Leiden 2488	3 5	33 4	215.7	27.00	8.8... 9.0	1902.73	β 2	
3190	Σ 859	DM (5°) 1117	3 11	5 41	249.0	31.42	8.0... 8.5	1829.70	Σ 2	*Yel'sh wh.*
3191	β 1058	4 *Geminorum*	3 13	23 1	284.3	0.41	7.2... 7.5	1889.13	β 2	
3192	Ḩ VI. 114	DM (15°) 1087	3 21	15 56	112.1	90.63	....	1783.44	Ḩ 1	
3193	OΣ (App) 69	Rad^1. 1652	3 24	66 11	125.5	69.92	6.7... 8.2	1874.90	Δ 2	
3194	Σ 861	$W^2\ VI^h$. 2	3 36	30 42	318.2	1.59	7.8... 8.2	1830.95	Σ 4	B and C; *White*
					14.6	67.14	... 8.2	1831.18	Σ 3	A and BC
3195	Σ 864 *rej.*	....	3 36:	20 39:	....	....	9 ... 9	....	Σ	Cl. V and II
3196	β 565	L 11741	3 41	−14 3	100.4	1.02	8 ...12	1878.21	β 1	
3197	β 1242	SD (6°) 1431	6 3 42	− 6 18	124.5	0.48	8.6... 8.8	1891.87	β 3	A and B
					90±	35±	8–9...10	1830+	H 1	AB and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3198	**Σ 860**	DM (24°) 1148	6^{h} $3^{m}42^{s}$	24°54′	359°.2	5′.65	8.3... 9.9	1832.62	Σ 5	8.3 *white*
3199	**Hu 106**	SD (11°) 1396	3 44	−11 40	333.0	0.86	9.0... 9.3	1900.19	Hu 3	(*A. J.* 485)
3200	**Hu 701**	DM (35°) 1356	3 55	35 32	98.1	0.24	8.5... 9.5	1902.75	Hu 1	
3201	**A 55**	A. G. Camb. 3025	4 4	28 48	288.8	0.49	8.7... 9.3	1900.20	A 3	
3202	**H 2297**	....	4 20	48 38	48.7	9±	10–11...11	1830+	H	
3203	**Σ 862**	DM (29°) 1140	4 26	29 31	336.6	6.55	7.2...11.0	1831.92	Σ 3	7.2 *yel.*
3204	**Σ 867**	DM (17°) 1154	4 40	17 24	156.3	2.24	7.0... 8.5	1831.23	Σ 3	*Yel'sh wh.: wh.*
3205	**Σ 865**	DM (51°) 1164	4 54	51 12	66.4	5.31	8.2...10.3	1828.27	Σ 3	8.2 *yel'sh wh.*
3206	**♅ VI. 72**	68 *Orionis*	4 55	19 49	229.0	72.83	....	1783.79	♅ 1	
3207	**Jacob 2**	....	5 ±	−14 35:	184.0	1.8±	6½... 9	1846.4	J	
3208	**H 2299**	....	5 0	− 3 30	41.7	10±	10 ...13	1830+	H	
					310.4	12±	...14	1830+	H	
3209	**Σ 869**	SD (9°) 1352	5 3	− 9 50	279.0	24.32	7.5... 8.5	1830.16	Σ 2	7.5 *white*
3210	**H 721**	DM (0°) 1311	5 4	0 58	150±	4±	9 ...12	1820+	H	
3211	**Σ 857** *rej.*	Rad^{1}. 1661	5 6	65 45	....	Cl. IV	7 ...10	....	Σ	(See p. 1066) From *Cat. Nov.*
3212	**H 719**	....	5 14	9 57	45±	3±	12 = 12	1820+	H	"Neat star"
3213	**H 720**	....	5 16	10 37	60±	5±	9 ... 9+	1820+	H	
3214	**Σ 871**	W^{1} VI^{h}. 93	5 27	− 0 44	305.9	7.12	8.2... 8.8	1830.50	Σ 3	*Very wh.*
3215	**A. G. 107**	DM (24°) 1161	5 28	24 27	181.0	1.85	9.0... 9.2	1902.47	M 3	
3216	**Ho 513**	SD (20°) 1308	5 31	−20 19	355.8	1.34	8.5...10	1898.15	Ho 1	
3217	**A 56**	DM (29°) 1147	5 39	29 4	48.0	1.03	8.1...11.8	1900.20	A 3	
3218	**H 722**	....	5 42	− 0 33	140±	9±	9–10...12	1820+	H	
3219	**H 2301**	....	5 43	5 28	358.5	5±	10–11...11	1820+	H	
3220	**A. Clark 3**	L 11793	5 47	− 4 38	173.6	1.11	6.5... 9.0	1854.17	Da 1	*Yel.: blue*
3221	**H 381**	....	5 47	26 43	280±	5±	11 ...11	1820+	H	
3222	**See 62**	Cord. DM (22°) 2825	6 11	−22 48	96.4	0.50	8.1... 8.2	1897.83	See 2	A and B
					324.4	24.64	...13.3	1897.83	See 2	AB and C
3223	**A. G. 108**	A. G. Lund 3171	6 12	38 25	276.3	12.21	9.2... 9.6	1902.80	β 2	
3224	**β 1017**	SD (2°) 1510	6 28	− 2 56	161.1	0.65	8.5... 8.8	1892.05	β 3	
3225	**Σ 873**	DM (−1°) 1146	6 33	− 1 16	292.6	7.98	9.0... 9.5	1830.18	Σ 3	
3226	**Σ 874** *rej.*	....	6 36:	− 3 38:	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.* (See p. 1066)
3227	**Σ 875**	W^{1} VI^{h}. 142	6 37	−13 7	334.9	6.05	8.7... 9.8	1830.83	Σ 3	
3228	**See 63**	Cord. DM (22°) 2837	6 42	−22 46	166.0	17.47	7.5...12.8	1897.80	See 1	
3229	**OΣ (App) 70**	L 11796	6 49	24 1	177.8	116.52	7.0... 7.5	1875.00	Δ 3	
3230	**Ho 22**	W^{1} VI^{h}. 127	6 50	10 17	195.1	0.63	8.0... 8.0	1886.18	Ho 3	(*A. N.* 2778) (See p. 1066)
3231	**H 36**	....	6 53:	− 6 5:	215±	30±	11 ...12	1820+	H	
3232	**H 2300**	DM (55°) 1065	6 58	55 3	90±	10±	8 ...12	1820+	H	(See p. 1066)
3233	**Lewis 7**	....	7 :	22 36:	87.6	2.99	9.5...10.0	1900.24	L 1	
3234	**Σ 866**	DM (62°) 831	7 4	62 14	193.4	17.79	7.7... 8.8	1831.29	Σ 3	A and B *White*
					264.7	78.78	... 8.2	1831.30	Σ 2	A and C
3235	**Ho 23**	W^{1} VI^{h}. 150	7 23	14 32	248.6	2.76	8.2...12.0	1884.72	Ho 2	B and C
					198.0	168.94	7 ... 7½	1825.00	S 2	A and B
3236	**H 3839**	SD (18°) 1338	7 26	−18 17	....	....	....	1834+	H	
3237	**A 666**	SD (6°) 1456	7 26	− 6 22	28.3	0.55	8.4... 9.3	1904.05	A 3	A and B
					267.2	5.22	9.0...14.5	1904.04	A 2	C and D
					318.0	230.0	....	1904.04	A 1	A and C
3238	**Σ 872**	W^{2} VI^{h}. 132	7 34	36 11	217.4	11.03	6.0... 7.0	1828.94	Σ 3	*White*
3239	**β 1008**	η *Geminorum*	7 38	22 32	301.4	0.96	3 ... 8.8	1882.05	β 5	
3240	**OΣ (App) 71**	L 11862	7 44	11 51	310.1	89.53	6.3... 7.0	1875.65	Δ 3	
3241	**H 2302**	71 *Orionis*	7 46	19 12	220±	60±	6 ...12	1830+	H	
3242	**Σ 877**	*Orionis* 277	7 52	14 37	263.3	5.32	7.2... 7.7	1829.56	Σ 3	*Yel'sh: wh.*
3243	**H 2304**	W^{1} VI^{h}. 179	7 58	−10 47	79.4	12±	9 ...12	1830+	H	
3244	**See 64**	Cord. G. C. 7475	8 16	−25 47	67.7	8.43	7.8... 9.9	1897.83	See 1	
3245	**OΣ 135**	L 11902	8 22	2 19	154.4	0.61	7 ... 9	1847.22	OΣ 1	
3246	**H 383**	....	8 34	− 2 39	285±	2±	10 ...10	1820+	H	
3247	**Σ 879**	DM (30°) 1171	6 8 37	30 7	68.6	8.28	9.2...10.5	1828.76	Σ 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3248	β 566	*Monocerotis* 21	6h 8m 41s	− 4°32′	219°7	1″43	8.5...12.5	1878.03	β 1	
3249	H 723	DM (0°) 1345	8 41	0 47	40±	12±	9–10.. 9–10	1820+	H	(See p. 1067)
3250	Σ 876	DM (53°) 1005	8 44	53 42	51.2	7.72	8.5...11.0	1829.60	Σ 3	8.5 *white*
3251	β 323	L 11915	8 44	− 1 41	96.3	2.39	8.5...10.2	1876.28	Δ 2	
3252	A 505	SD (4°) 1922	8 47	− 4 25	253.8	0.68	7.5...13.5	1903.09	A 2	(*Bul. L. O.* No. 50)
3253	Σ 868	DM (73°) 326	8 49	73 57	41.8	3.32	8.5... 9.0	1831.31	Σ 3	*White*
3254	Σ 880	DM (10°) 1067	8 50	10 37	53.4	5.42	8.0... 8.0	1829.88	Σ 3	*Yel'sh*
3255	H 384	5 *Monocerotis*	9 0	− 6 14	30±	35±	4–5...18	1820+	H	
3256	β 193	W¹ VIh. 208	9 9	4 0	90.2	17.88	8.0...11.0	1892.04	β 2	A and B
					231.1	58.55	...10.3	1898.84	β 1	A and C
3257	H 2303	....	9 13	51 20	49.2	10±	11 ...11–12	1830+	H	
3258	β 894	DM (19°) 1285	9 27	19 3	138.0	5.14	8.2...12.5	1881.14	β 2	
3259	β 1018	SD (2°) 1528	9 29	− 2 44	54.7	6.02	8.5...11.7	1892.06	β 3	
3260	β 567	*Monocerotis* 23	9 34	− 4 53	249.5	3.83	6.8...11.0	1879.08	β 4	
3261	A 668	SD (8°) 1368	9 42	− 9 0	158.2	0.23	6.6... 6.6	1904.05	A 4	(*Bul. L. O.* No. 61)
3262	H 2305	DM (1°) 1276	9 45	1 13	20.4	18±	10 ...12	1830+	H	"A star 8 m. near *sp*."
3263	Innes 349	Lac. 2198	9 53	−29 34	41.4	5.82	7 ...11	1900.32	I 1	
3264	β 1019	SD (2°) 1534	10 7	− 2 50	274.2	0.81	8.0... 9.6	1892.06	β 3	
3265	Hu 107	SD (10°) 1443	10 8	−10 48	325.2	0.35	8.6... 8.7	1900.19	Hu 3	(*A. J.* 485)
3266	Ħ V. 23	DM (15°) 1139	10 12	15 53	225±	40±	....	1793.12	Ħ	
3267	Σ 878	DM (62°) 833	10 13	62 27	311.7	16.19	7.2...11.0	1831.30	Σ 2	7.2 *yel.*
3268	H 724	....	10 16	0 44	349±	8±	11 = 11	1820+	H	
3269	H 3840	....	10 20	−30 28	229.7	8±	10 = 10	1835.0	H	
3270	Σ 885	DM (6°) 1180	10 26	6 2	295.8	9.51	8.5...10.2	1829.72	Σ 2	
3271	β 96	75 *Orionis*	10 29	9 59	226.5	4.74	9.0...11.5	1877.93	β 1	C and D
					159.5	119.90	....	1892.12	β 2	A and C
					255.5	62.88	6.0...10.2	1892.12	β 2	A and B
3272	H 2306	....	10 32	20 19	17.0	3±	10–11..11	1830+	H	"Neat"
3273	H 3842	....	10 39	−22 9	215.1	18±	10 ...10½	1837.1	H	
3274	Σ 883	DM (39°) 1584	10 46	39 49	263.4	3.27	8.2... 8.7	1830.71	Σ 4	A and B
					257.8	28.69	...10.4	1830.71	Σ 3	A and C
3275	β 18	L 12006	11 7	−12 0	271.9	1.79	7.3... 9.0	1876.00	Δ 3	
3276	Ho 229	W¹ VIh. 272	11 16	14 26	*n*	3±	6 ...13	1886.11	Ho	(*A. N.* 2977)
3277	Σ 881	4 *Lyncis*	11 24	59 25	89.0	0.81	6.4... 7.9	1830.28	Σ 4	*White*
3278	Hu 451	DM (21°) 1189	11 27	21 53	349.6	0.46	9.0...12.2	1902.09	Hu 3	(*Bul. L. O.* No. 21)
3279	Ho 24	W¹ VIh. 277	11 30	9 22	156.0	4.60	8.0...11.5	1884.69	Ho 3	
3280	Σ 884	O. Arg. N. 6728	11 32	47 10	270.0	9.05	8.5... 8.5	1828.22	Σ 2	*Very wh.*
3281	Σ 886	DM (23°) 1296	11 40	23 19	182.1	6.83	9.0...11.0	1831.58	Σ 3	
3282	H 37	....	11 41:	− 6 18:	275±	30±	11 ...12	1820+	H	
3283	Hu 108	SD (10°) 1452	11 42	−10 41	331.1	3.34	9.0...12.0	1900.19	Hu 3	(*A. J.* 485)
3284	H 2307	DM (54°) 1016	11 48	54 6	90.0	25±	9–10..12	1830+	H	
3285	H 2310	SD (4°) 1444	11 48	− 4 12	253.8	18±	9 ...11	1830+	H	
3286	Espin —	DM (55°) 1068	11 58	55 2	24.9	9.33	9.2... 9.3	1900.39	Es 3	(*A. N.* 3717)
3287	H 3845	L 12056	12 0	−22 40	51.3	25±	8 ...12	1835.0	H	
3288	Ħ V. 55	DM (23°) 1301	12 4	23 19	....	60±	....	1783.	Ħ	
3289	Σ 882	DM (64°) 580	12 6	64 58	267.0	3.53	8.0...11.0	1831.97	Σ 3	8.0 *white*
3290	Ho 230	W¹ VIh. 296	12 6	13 49	52.0	1.20	8.3...10.5	1887.07	Ho 1	
3291	β 895	W² VIh. 287	12 23	28 29	133.3	0.27	7.5... 7.5	1879.22	β 1	A and B A *wh.:* C *ash.*
					246.2	2.70	... 9.2	1831.22	Σ 3	AB and C (AC= Σ 888)
3292	A 323	SD (5°) 1576	12 24	− 5 37	216.6	0.99	7.0...10.0	1902.34	A 3	(*Bul. L. O.* No. 29)
3293	H 3281	....	12 25	14 48	278.6	4±	10 ...13	1831+	H	
3294	Σ 889	DM (25°) 1215	12 28	25 4	221.5	22.04	7.2... 9.5	1830.75	Σ 2	7.2 *yel'sh*
3295	H 385	DM (22°) 1280	6 12 31	22 9	51.0	1.45	8.7... 9.4	1903.73	β 3	A and B
					55.0	5.78	...14.2	1903.78	β 3	A and C
					291.5	9.09	...12.5	1903.73	β 3	A and D
					59.6	16.39	...11.9	1903.73	β 3	A and E

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3296	Hu 452	DM (22°) 1281	6h 12m 33s	22°21′	341°.4	2″.56	9.0...10.0	1902.08	Hu 3	(*Bul. L. O.* No. 21)
3297	A. G. 109	DM (21°) 1196	12 34	21 31	27.0	1.99	8.8... 9.3	1902.25	Hu 2	
3298	OΣ (App) 73	L 12037	12 38	13 29	44.2	73.27	6.5... 7.0	1875.03	Δ 3	
3299	Hu 453	DM (20°) 1373	12 38	20 28	335.5	0.33	9.0... 9.8	1902.00	Hu 2	(*Bul. L. O.* No. 21)
3300	Σ 892 *rej.*	....	12 47:	12 22:	48.2	30±	11 ...11	1831+	H	
3301	Σ 891	P VIh. 58	12 57	12 21	292.2	21.90	7.7...10.7	1830.53	Σ 3	*White*
3302	Ho 338	L 12079	13 3	−18 22	286.9	1.95	8 ...10	1890.21	Ho 1	
3303	OΣ (App) 74	L 12044	13 12	25 15	264.2	58.03	6.7... 8.6	1874.98	Δ 3	
3304	H 2312	SD (5°) 1585	13 28	− 5 14	197.6	4±	10 = 10	1830+	H	"Neat"
3305	OΣ (App) 75	L 12062	13 33	18 6	127.4	4.51	7.2... 8.2	1876.33	Δ 3	
3306	Σ 890 *rej.*	DM (36°) 1408	13 35	36 10	269.6	15±	9 ...13	1831+	H	From H (VI) (See p. 1067)
3307	H 3847	....	13 41	−14 29	48.3	6±	8 ...12	1834+	H	
3308	H 2311	....	13 42	54 5	282.5	12±	10 ...12	1830+	H	
3309	Ho 231	W1 VIh. 362	13 45	−12 29	49.0	6.81	8 ...11	1887.24	Ho 1	
3310	Σ 887 *rej.*	....	13 48:	60 12:	....	Cl. II	8–9... 9–10	....	Σ	(See p. 1067) From *Cat. Nov.*
3311	OΣ (App) 72	Rad1. 1708	13 51	59 46	299.8	43.52	7.0...11.0	1874.40	Δ 2	A and B
					321.5	134.36	... 7.5	1874.40	Δ 2	A and C
3312	Hd 82	....	14 :	−20 0:	*s*	12±	9 ...11	1869.08	Hd	Another 11 m. star 20′ distance
3313	S 513	L 12072	14 4	21 11	257.2	58.91	8 ... 9½	1825.11	S 2	A and C AB= OΣ 137 *rej.*
					66.8	16.28	...10	1843.23	Ma 1	A and B
3314	β 1296	L 12112	14 6	− 7 12	201.0	0.21	8.0... 8.5	1900.78	β 1	
3315	H 2313	....	14 9	19 34	67.3	4±	11 ...12	1830+	H	"Neat"
3316	Hn 79	SD (5°) 1592	14 13	− 5 57	326.6	3.03	10 ...10.8	1888.52	Com 2	
3317	S 516	Lac. 2220	14 21	−24 56	2.9	66.27	8½... 9½	1825.18	S 2	A and B
					242.3	299.97	... 6	1825.20	S 2	A and C
3318	H 386	DM (27°) 1081	14 21	27 35	70±	15±	9 ... 9½	1820+	H	
3319	Σ 895 *rej.*	W1 VIh. 372	14 23	5 48	61.2	25±	9 ...11	1830+	H	
3320	H 725	DM (9°) 1199	14 24	9 47	75±	20±	8–9...10	1820+	H	"*Ruddy: purplish blue*"
3321	H 2308	DM (73°) 334	14 28	73 4	223.4	25±	9 ...11	1830+	H	
3322	OΣ 136	Rad1. 1707	14 33	70 36	78.4	5.67	6.5...10.3	1847.57	OΣ 3	
3323	H 2309	....	14 36	73 2	230.0	40±	9 ...11	1830+	H	"Near H 2308"
3324	Ho 232	....	14 55	14 44	343.7	2.03	9.5...11.0	1890.11	Ho 1	
3325	Σ 897	W2 VIh. 366	14 57	26 44	348.9	18.08	8.2... 8.5	1830.76	Σ 2	*White*
3326	Ho 25	DM (25°) 1238	14 57	25 17	336.2	0.3±	9 ... 9	1886.22	Ho 1	A and B
					45.1	32.84	...12.5	1883.26	Ho 1	AB and C
3327	H 2315	SD (7°) 1384	15 6	− 7 14	3.0	1±	13 = 13	1830+	H	
3328	Σ 898	W1 VI.h 395	15 18	11 2	121.0	6.05	8.3... 8.8	1828.53	Σ 3	*White*
3329	Jacob 3	Yar. 2610	15 41	−29 34	206.1	12.73	9 ...10	1846.6	J	
3330	β 1059	*μ Geminorum*	15 42	22 34	266.7	0.80	9.8...10.7	1889.10	β 3	B and C
					141.0	122.49	3 ...	1889.10	β 3	A and BC
3331	β 1020	W2 VIh. 387	15 46	28 49	158.5	1.27	8.2...10.0	1891.22	β 2	
3332	Σ 3116	*Monocerotis* 33	15 49	−11 43	19.2	4.48	6.2...10.4	1831.16	Σ 5	6.2 *very wh.*
3333	Σ 899	L 12148	15 50	17 38	20.3	2.38	7.0... 8.0	1831.23	Σ 3	*Yel'sh wh.: wh.*
3334	A. G. 110	A. G. Lund 3264	15 55	37 37	329.9	11.06	8.9... 9.1	1902.80	β 2	
3335	OΣ 138 *rej.*	L 12145	16 0	27 11	....	1.?	7 ...10	....	OΣ	
3336	H 2314	....	16 4	49 35	346.3	10±	11 ...11–12	1830+	H	
3337	Ho 233	DM (16°) 1118	16 13	16 35	37.1	1.67	8.2...11	1887.09	Ho 2	
3338	S 514	5 *Lyncis*	16 20	58 29	139.5	20±	6–7...14	1830+	H	A and B
					272.1	95.44	... 9	1825.06	S 2	A and C
3339	Σ 896	DM (51°) 1188	16 21	51 56	82.3	19.93	8.3... 8.7	1827.91	Σ 3	*White*
3340	H 726	....	16 35	8 58	88±	17±	....	1820+	H	A and B
					148±	17±	....	1820+	H	A and C
3341	Hu 702	DM (34°) 1336	16 39	34 27	323.6	0.96	8.5... 9.0	1902.83	Hu 1	
3342	H 387	SD (2°) 1582	16 42	− 2 56	290±	4–5	10 ...11	1820+	H	
3343	H 3850	SD (14°) 1418	16 43	−14 33	43.3	10±	9 ...13	1836.2	H	
3344	H 38	....	6 16 53:	− 5 41:	240±	15±	12 ...13	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3345	**H** 703	DM (20°) 1403	6^h 16^m 54^s	20°20′	40°.7	0″.68	9.0...10.0	1902.70	Hu 1	
3346	S 517	....	17 ±	−16 33:	192.3	23.83	10 ...10½	1825.16	S 2	(See p. 1067)
3347	**H** 2316	....	17 1	−10 48	93.0	3±	11 ...12	1830+	H	"Neat star"
3348	A. G. 111	A. G. Leiden 2590	17 4	31 53	165.2	7.16	9.3... 9.6	1902.65	β 3	
3349	Σ 900	8 *Monocerotis*	17 25	4 39	25.9	13.86	4.0... 6.7	1831.74	Σ 4	*Yel'sh: bluish*
3350	Espin 65	DM (41°) 1438	17 35	41 39	87.5	1.6	9.2...10.2	1901	Es	(*A. N.* 3784)
3351	O. Stone 13	....	17 39	−15 47	319.3	5.29	8½...10	1875.99	Cin 1	A and B
					335±	12±	...10½	1875.99	Cin 1	A and C
3352	A 669	SD (9°) 1446	18 4	− 9 17	62.2	0.23	9.0... 9.0	1904.04	A 3	(*Bul. L. O.* No. 61)
3353	OΣ 139	L 12231	18 19	22 31	309.3	0.85	7.0... 9.5	1847.22	OΣ 2	*White: olive*
3354	Σ 901	DM (10°) 1128	18 22	10 35	247.5	20.01	7.7... 9.5	1829.21	Σ 3	A and B } *7.7 wh.*
					180±	20±	...(16)	1823+	H	A and C
3355	β 97	L 12260	18 29	− 1 21	257.8	1.15	7.2... 9.2	1876.00	Δ 3	
3356	**H** 727	....	18 29	− 0 10	315±	6±	11 ...11	1820+	H	
3357	β 568	*Canis Majoris* 33	18 36	−19 43	155.1	0.78	7.0... 7.3	1878.21	β 1	
3358	Hu 561	DM (50°) 1308	18 47	50 14	331.4	2.24	9.0...11.0	1902.72	Hu 2	(*Bul. L. O.* No. 27)
3359	Σ 903	SD (12°) 1470	18 49	−12 54	294.3	23.32	7.0...11.0	1829.69	Σ 2	7.0 *white*
3360	S 518	L 12304	18 59	−16 10	89.5	15.60	8 ...10	1825.03	S 2	
3361	β 1191	L 12262	19 8	18 50	161.5	1.33	7.0...13.8	1890.93	β 3	
3362	A 324	SD (4°) 1498	19 9	− 4 22	353.5	0.96	9.0... 9.1	1902.87	A 2	(*Bul. L. O.* No. 29)
3363	**H** 388	....	19 13	29 55	150±	15±	11 ...11+	1820+	H	
3364	Ku 25	DM (9°) 1235	19 19	9 48	121.9	3.79	9.8...10.3	1901.63	Ku 2	Kustner (3821)
3365	**H** 3282	DM (38°) 1492	19 27	38 10	325.3	16±	9 ...15	1831+	H	
3366	Σ 902	DM (35°) 1412	19 30	35 2	148.8	11.91	8.4... 9.4	1831.61	Σ 4	8.4 *yel.*
3367	Hu 562	DM (49°) 1497	19 36	49 48	3.4	1.42	8.7...11.2	1902.72	Hu 2	(*Bul. L. O.* No. 27)
3368	β 569	L 12315	19 37	−10 52	120.7	1.84	8.2...10.5	1877.99	β 1	
3369	Cordoba	Cord. DM (27°) 2957	19 37	−27 58	242.5	9.37	8.0... 8.5	1879.19	Cin 1	
3370	Ho 339	SD (19°) 1439	19 41	−19 39	194.5	4.81	8.3... 9.0	1890.20	Ho 2	
3371	Hu 109	SD (10°) 1516	19 44	−10 34	68.7	0.38	9.3... 9.5	1900.19	Hu 3	(*A. J.* 485)
3372	OΣ 140	L 12289	19 45	15 35	123.4	2.79	7.0... 9.5	1847.22	OΣ 3	7.0 *white*
3373	Σ 893	....	20 :	79 46:	45.4	16.86	8.5...10.0	1831.35	Σ 2	
3374	A. G. 112	DM (24°) 1270	20 8	24 36	208.8	2.50	9.0... 9.1	1902.50	M 3	
3375	Σ 904	DM (51°) 1195	20 16	51 51	163.6	5.16	9.0...10.2	1829.59	Σ 3	
3376	Hu 110	SD (10°) 1521	20 19	−10 5	131.7	2.25	9.4... 9.6	1900.22	Hu 2	(*A. J.* 485)
3377	Σ 907	DM (30°) 1235	20 26	30 30	301.7	11 .73	8.7...10.0	1830.26	Σ 2	
3378	**H** 728	DM (−1°) 1240	20 29	− 1 46	263±	25±	9 ...10	1820+	H	
3379	Σ 905	W^2 VI^h. 514	20 31	40 12	117.4	1.83	8.0...10.0	1833.14	Σ 3	8.0 *white*
3380	Σ 911	W^1 VI^h. 566	20 33	4 9	159.3	13.78	8.5... 8.5	1829.72	Σ 2	*Yel'sh*
3381	Σ 906	DM (37°) 1516	20 34	37 27	335.9	6.62	8.3... 9.5	1828.79	Σ 3	8.3 *white*
3382	Σ 910	P VI^h. 105	20 36	0 31	150.5	66.15	6.0...	1831.68	Σ 2	A and BC } BC *yel'sh*
					170.9	0.67	8.3... 9.0	1829.53	Σ 3	B and C
3383	Sh 70	15 *Geminorum*	20 37	20 52	204.7	32.69	7 ... 9	1822.09	S 1	*White: blue*
3384	A. G. 113	A. G. Leiden 2623	20 38	31 20	315.9	10.93	9.5... 9.6	1902.75	β 2	
3385	Σ 909	DM (35°) 1420	20 42	35 20	97.2	12.97	8.0...10.9	1830.14	Σ 4	8.0 *yel'sh*
3386	Espin 66	....	20 42	58 32	275.2	2.5	9.1... 9.3	1901	Es	(*A. N.* 3784)
3387	**H** 390	....	20 45	24 22	225±	9±	10 ...10	1820+	H	
3388	Σ 914	SD (7°) 1429	20 57	− 7 26	297.5	21.04	6.7... 9.0	1831.67	Σ 2	6.7 *very wh.*
3389	**H** 2317	DM (53°) 1029	20 57	53 54	49.8	12±	9 ...13	1830+	H	
3390	Σ 913	W^2 VI^h. 553	21 2	15 46	48.2	31.31	7.8... 9.7	1829.51	Σ 3	7.8 *white*
3391	Σ 908	DM (53°) 1030	21 7	53 56	356.9	8.54	9.5... 9.5	1827.78	Σ 2	
3392	Σ 912	L 12326	21 38	36 41	27.3	3.33	8.2...10.2	1830.57	Σ 3	8.2 *white*
3393	Hu 218	SD (11°) 1493	21 40	−11 46	43.6	1.35	8.6...13.0	1900.23	Hu 2	(*A. J.* 494)
3394	**H** 3859	Cord. DM (26°) 3025	21 41	−26 45	252.9	15±	9 ... 9½	1835.0	H	
3395	*Schj.* 4	SD (5°) 1642	21 50	− 5 52	....	40±	9 ... 9.5	....	....	
3396	Σ 915	DM (5°) 1249	6 21 50	5 21	39.2	5.91	8.0... 9.0	1833.49	Σ 3	*White*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3397	**β 1192**	ν *Geminorum*	$6^h 21^m 50^s$	20° 17′	346°.2	0″.15	8.7... 8.8	1890.88	β 3	B and C
					329.1	112.54	....	1876.02	Δ 3	A and BC
					358.0	22.65	...15.0	1890.88	β 3	A and *a*
					13.3	53.90	...13.8	1890.87	β 2	A and *b*
					254.6	56.76	...12.5	1890.87	β 2	A and *c*
					11.6	92.13	...13.0	1890.87	β 2	A and *d*
3398	**A. G. 114**	**DM** (8°) 1352	21 52	8 38	359.5	5.39	9.2...10.0	1894.14	Lp 1	
3399	**A. G. 115**	**A. G. Leiden** 2643	22 35	30 31	353.3	3.97	8.8... 9.1	1902.77	β 2	
3400	**♅ N. 141**	....	22 54:	21 41:	....	Cl. II	....	1801.	♅	
3401	**♅ III. 43**	....	22 54:	− 7 3:	293.6	....	....	1781.80	♅ 1	
3402	**Σ 919**	11 *Monocerotis*	23 0	− 6 57	130.0	7.25	5.0... 5.5	1831.23	Σ 3	A and B *White* (AD= β 570)
					101.7	2.46	... 6.0	1831.23	Σ 3	B and C
					56.1	25.79	...12.5	1878.02	β 3	A and D
3403	**Arg. 14**	**O. Arg. N.** 6952	23 0	45 47	220±	5±	9 ...10	....	β	
3404	**H 391**	**DM** (25°) 1301	23 1	25 46	240±	15±	9 ...12	1820+	H	(See p. 1067)
3405	**OΣ 141**	**L** 12405	23 1	17 59	142.4	2.30	7.5... 9.6	1848.88	OΣ 4	A *white*
3406	**Ho 514**	**L** 12402	23 7	22 37	128.4	19.34	7 ...12.7	1895.64	Ho 2	(*A. N.* 3557)
3407	**H 729**	....	23 20	− 6 24	20±	6±	10 ...11	1820+	H	(See p. 1067)
3408	**H 2318**	*Schj.* 2227	23 22	−10 16	280.0	15±	9 ...11	1830+	H	
3409	**Ho 340**	**L** 12423	23 25	18 2	24.2	6.40	7.2...13.0	1891.65	Ho 2	
3410	**OΣ 142**	**L** 12240	23 27	7 11	352.2	8.56	7.0...10.5	1848.71	OΣ 2	A *white*
3411	**H 3283**	....	23 27	12 42	177.2	12±	11 ...11	1831+	H	
3412	**♅ N. 111**	**DM** (20°) 1454	23 37	20 30	167.2	Cl. V	....	1795.79	♅ 1	
3413	**Ku 26**	**DM** (3°) 1264	23 41	3 26	156.7	2.11	10.1...10.2	1901.61	Ku 2	Kustner (3821)
3414	**β 753**	λ *Canis Majoris*	23 43	−32 30	47.2	1.29	5.8... 7.7	1892.14	β 3	
3415	**Σ 917** *rej.*	....	23 48:	52 34:	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
3416	**β 896**	**L** 12414	23 48	32 15	199.3	0.89	7.0...10.0	1879.00	β 1	A and B
					210.8	18.44	...13.0	1879.56	β 2	A and C
3417	**Weisse 12**	**W² VI^h.** 647	23 57	21 48	64.3	8.47	8.5... 8.6	1903.01	β 2	
3418	**Σ 916**	**DM** (56°) 1130	24 2	56 44	250.6	9.11	8.5... 9.8	1829.93	Σ 3	8.5 *white*
3419	**See 67**	**Cord. DM** (23°) 3914	24 2	−23 31	214.3	2.60	8.2... 9.3	1897.83	See 1	
3420	**β 1021**	**W² VI^h.** 648	24 8	28 28	86.0	0.68	8.1... 9.4	1892.16	Lv 2	
3421	**Σ 920**	**DM** (4°) 1282	24 8	4 25	208.6	9.26	8.0...11.2	1829.82	Σ 3	8.0 *white*
3422	**OΣ 143**	**W² VI^h.** 655	24 12	17 1	104.4	7.55	6.8... 9.9	1852.38	OΣ 4	A *golden yel.*
3423	**Σ 918**	*Aurigae* 229	24 21	52 33	322.4	4.45	6.7... 7.7	1829.26	Σ 3	*White*
3424	**♅ IV. 28**	....	24 24:	17 1:	213.0	19.67	....	1782.28	♅ 1	
3425	**H 3863**	**O. Arg. S.** 5177	24 24	−22 31	121±	2±	6½... 9	1837.1	H	
3426	**OΣ 519**	**L** 12458	24 25	15 49	79.1	8.13	8.0...10.3	1847.11	OΣ 3	
3427	**Σ 921**	**DM** (11°) 1204	24 29	11 20	3.8	16.28	6.0... 8.2	1831.38	Σ 6	*Yel'sh wh.: bl. wh.*
3428	**H 2319**	**DM** (47°) 1312	24 55	47 52	300.5	3±	9 ...11	1830+	H	
					253.8	15±	...14	1830+	H	
3429	**H 3865**	....	25 3	−17 44	64.3	18±	9½...11	1836.2	H	
3430	**H 3864**	**L** 12520	25 4	−14 52	43.3	20±	7½...12	1836.2	H	
3431	**OΣ 144** *rej.*	**L** 12502	25 6	3 0	....	12±	7 ...10–11	....	OΣ	
3432	**H 731**	**W¹ VI^h.** 718	25 8	− 9 34	40±	15±	9 ...10	1820+	H	
3433	**H 730**	....	25 13	29 50	25±	5±	10 ...11	1820+	H	
3434	**Σ 926**	**DM** (5°) 1280	25 16	5 51	287.1	10.67	7.3... 8.7	1829.54	Σ 3	*Yel'sh wh.: ash*
3435	**Σ 924**	20 *Geminorum*	25 18	17 52	209.8	20.01	6.0... 6.9	1830.00	Σ 4	*Yel'sh wh.: bl. wh.*
3436	**H 3866**	**O. Arg. S.** 5202	25 27	−24 4	112±	3±	8 ...12	1835.0	H	
3437	**OΣ 145**	**L** 12500	25 27	15 47	338.7	2.03	7.0... 9.8	1846.79	OΣ 3	
3438	**H 2320**	**W² VI^h.** 695	25 30	20 58	327.1	9±	9 ...12	1830+	H	
3439	**G. Anderson 3**	**DM** (5°) 1283	25 33	5 2	282.4	3.66	7.5...12.0	1876.17	Hl 1	A and B
					319.8	7.20	...12.5	1876.17	Hl 1	A and C
					288.4	12.64	...13	1876.17	Hl 1	A and D
					197.5	13.28	...13	1876.17	Hl 1	A and E
3440	**OΣ 146** *rej.*	**L** 12511	6 25 42	11 46	142.5	33.34	5.7... 9.3	1867.59	Δ 3	5.7 *yel.*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3441	H 392	W^2 VI^h. 702	6^h 25^m 44^s	25°22′	40°±	30″±	8 ... 8+	1820+	H	(See p. 1068)
3442	H̄ II. 37	DM (5°) 1285	25 45	5 3	....	....	....	1781+	H̄	
3443	OΣ 147	L 12491	26 6	38 10	73.4	42.93	6.8... 8.5	1849.76	OΣ 2	A and B
					116.1	46.09	....	1849.76	OΣ 2	A and CD
					114.7	0.55	9.8...10.2	1849.76	OΣ [illegible]	C and D
3444	H 732	....	26 8	− 0 34	310±	14±	10 ...10	1820+	H	
3445	H 393	....	26 10	27 15	255±	12±	11 ...12	1820+	H	
3446	H 2321	O. Arg. S. 5217	26 12	−20 33	303.5	8±	8 ...10	1830+	H	
3447	A 670	SD (9°) 1507	26 13	− 9 33	198.6	0.49	8.5... 9.2	1904.06	A 3	(*Bul. L. O.* No. 61)
3448	A 216	DM (31°) 1333	26 22	31 16	109.8	1.82	9.0...13.8	1901.78	A 3	
3449	Σ 928	W^2 VI^h. 709	26 26	38 38	134.4	3.40	7.4... 8.0	1829.98	Σ 4	*Yel'sh wh.: wh.*
3450	Σ 922	DM (64°) 593	26 33	64 50	136.3	10.24	7.2...11.0	1831.80	Σ [illegible]	A and B *7.2 wh.*
					1.3	26.18	...10.5	1831.80	Σ 2	A and C
3451	Σ 930 *rej.*	....	26 43:	8 6:	....	III–IV	8...9...10	....	Σ	From *Cat. Nov.*
3452	β 98	L 12564	26 46	− 5 15	140.8	1.05	8.3...8.3	1876.09	Δ 3	
3453	See 68	ξ^1 *Canis Majoris*	26 51	−23 21	146.6	24.81	4.9...14.5	1897.83	See 1	A and B
					303.1	28.91	...14	1897.83	See 1	A and C
3454	Σ 931 *rej.*	....	26 54:	8 6:	....	Cl. IV	9–10...11	....	Σ	From *Cat. Nov.*
3455	S 524	DM (22°) 1386, 1384	26 54	22 13	242.9	53.28	7 ... 7½	1824.99	S 3	(See p. 1068) A and B
					149.6	106.51	..(12–15)	1824.03	S 1	A and C
3456	OΣ 148	W^2 VI^h. 725	26 57	37 9	77.1	2.54	7.1...10.8	1849.24	OΣ 4	*7.1 golden*
3457	Σ 929	DM (37°) 1540	27 10	37 49	24.6	6.02	7.1... 8.2	1830.49	Σ 4	*Yel'sh: very blue*
3458	Hu 41	SD (11°) 1524	27 16	−11 59	195.5	1.54	8.5...12.2	1900.03	Hu 2	(*A. J.* 480)
3459	H 2322	....	27 23	2 1	322.2	15±	10 ...10+	1830+	H	
3460	Σ 932	W^1 VI^h. 779	27 31	14 51	341.7	2.43	8.2... 8.3	1830.53	Σ 3	*White*
3461	H 2324	....	27 32	2 4	128.1	12±	10 ...12	1830+	H	
3462	Σ 923 *rej.*	DM (59°) 998	27 32	59 31	....	Cl. IV	6 ...10	....	Σ	
3463	Hu 42	SD (12°) 1535	27 33	−13 0	176.7	3.83	9.0...11.5	1900.03	Hu 2	(*A. J.* 480)
3464	Hu 219	DM (61°) 895	27 37	61 7	315.5	0.69	8.5...11.7	1900.80	Hu 3	(*A. J.* 494)
3465	Σ 925	DM (67°) 441	27 41	67 26	92.7	3.37	7.8...10.3	1831.94	Σ 3	*7.8 wh.*
3466	Hu 43	SD (12°) 1540	27 59	−12 1	313.8	1.11	8.4... 8.8	1900.03	Hu 2	(*A. J.* 480)
3467	β 194	DM (38°) 1537	28 4	38 5	285.0	0.91	8.0... 8.5	1875.43	Δ 4	
3468	A 506	A. G. Camb. 3344	28 6	28 21	25.2	0.26	8.1... 8.6	1903.87	A 3	(*Bul. L. O.* No. 50)
3469	Σ 938	14 *Monocerotis*	28 16	7 40	206.7	10.27	7.0...11.2	1831.23	Σ 2	*7.0 very wh.*
3470	Σ 933	W^2 VI^h. 767	28 20	41 14	74.7	25.54	8.0... 8.5	1829.27	Σ 3	*Very wh.*
3471	H 394	W^1 VI^h. 816	28 22	− 2 59	325±	60±	7 ... 9	1820+	H	*Yellow: blue*
3472	A 217	DM (30°) 1275	28 41	30 12	44.7	0.17	8.6... 8.9	1901.83	A 4	
3473	A. G. 116	A. G. Lund 2398	28 45	38 19	28.2	2.15	8.8... 9.1	1902.80	β 2	
3474	OΣ 149	W^2 VI^h. 699	28 55	27 23	350.7	0.53	6.5... 9.0	1848.23	OΣ 3	
3475	Ho 234	SD (11°) 1536	28 55	−11 8	185.6	0.37	8.2... 8.2	1888.64	Ho 3	
3476	A 507	SD (6°) 1617	28 55	− 6 4	240.8	0.44	9.7...10.5	1903.84	A 2	(*Bul. L. O.* No. 50)
3477	Ho 235	....	28 56	−11 10	54.8	2.85	10.5...11.0	1890.08	Ho 2	
3478	A 508	SD (8°) 1480	28 56	− 8 31	130.8	0.27	9.1... 9.5	1903.86	A 3	(*Bul. L. O.* No. 50)
3479	Σ 935	DM (52°) 1106	28 58	52 24	322.2	3.41	8.2... 9.0	1829.58	Σ 3	*White*
3480	Σ 940	Rad^1. 1773	29 2	38 33	293.2	10.11	8.0...10.0	1828.77	Σ 2	8.0 *white*
3481	Σ 934	DM (55°) 1101	29 9	55 8	329.5	4.05	8.7... 9.5	1831.30	Σ 4	
3482	H 733	....	29 10	− 2 2	355±	5±	10 ...12	1820+	H	
3483	Ho 341	L 12628	29 17	13 47	134.4	1.38	7 ...12	1891.65	Ho 2	
3484	Σ 936	DM (58°) 949	29 20	58 12	254.9	1.61	7.0... 8.7	1831.64	Σ 3	*Yel.: blue*
3485	H 3871	Lac. 2337	29 28	−29 32	353.1	10±	7½... 8	1837.1	H	
3486	Hu 220	SD (13) 1553	29 32	−13 55	77.0	1.00	9.0...11.0	1900.20	Hu 2	(*A. J.* 494)
3487	Σ 939	DM (5°) 1315	29 32	5 24	106.1	29.84	8.1... 8.7	1832.18	Σ 4	A and B
					49.3	39.76	... 9.0	1832.18	Σ 4	A and C
					3.0	34.27	....	1832.18	Σ 4	B and C
3488	Σ 937 *rej.*	....	29 40:	59 32:	....	Cl. IV	7–8...10	....	Σ	From *Cat. Nov.*
3489	H 395	DM (27°) 1172	6 29 47	27 23	140±	10±	9 ...11	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3490	Σ 941	W^2 VI^h. 820	6^h 30^m 11^s	41°41′	77°.6	1″.95	7.0... 8.0	1830.29	Σ 4	*Bluish wh.: purplish wh.*
3491	H 734	....	30 14	− 9 22	40±	7±	10 = 10	1820+	H	"Fine double star."
3492	Σ 942	DM (23°) 1429	30 22	23 45	244.1	3.29	9.0... 9.2	1830.89	Σ 3	*White*
3493	β 754	Lac. 2350	30 22	−33 55	36.5	0.78	8.0... 8.2	1892.18	β 2	
3494	H 396	....	30 30	25 5	30±	4±	11 ...12	1820+	H	
3495	Σ 943	DM (23°) 1432	30 33	23 17	155.9	15.46	8.5... 9.0	1829.74	Σ 2	*White*
3496	Ħ V. 71	....	30 42:	16 33:	....	....	....	....	Ħ	
3497	OΣ 150	W^2 VI^h. 846	30 49	42 6	351.1	0.34	7.1... 8.0	1847.27	OΣ 4	
3498	H 736	....	30 49	− 6 12	45±	8±	11 ...12	1820+	H	A and B
					280±	5±	...14	1820+	H	A and C
3499	S 529	W^1 VI^h. 883	30 51	12 17	162.9	91.99	7 ... 9	1825.12	S 2	A and B
					170.7	187.91	... 8	1825.12	S 2	A and C
3500	Ho 515	DM (9°) 1281	30 58	9 14	254.5	9.94	8 ...12.2	1895.64	Ho 4	(*A. N.* 3557)
3501	H 2323	....	30 59	72 24	4.7	6±	10–11...11	1830+	H	"Neat" (See p. 1068)
3502	Arg. 15	O. Arg. S. 5344	31 7	−24 2	240±	30±	7½... 8½	1875+	β	
3503	Sh 73	ν^1 *Canis Majoris*	31 8	−18 34	259.9	17.24	6½... 8	1821.22	Sh 1	*White: bluish*
3504	β 755	*Argus* 34	31 14	−36 41	250±	1±	6.0... 7.5	1879.79	β	A and B
					295±	20±	...13	1837.9	H	AB and C
3505	Howe 13	....	31 18:	−16 2:	300.3	11.19	8.0... 9.0	1876.79	Cin 1	
3506	Weisse 13	W^2 VI^h. 862	31 19	42 21	....	....	9 ...	....	....	
3507	OΣ 151 *rej.*	L 12687	31 21	27 54	137.6	29.26	6.8... 9.7	1867.91	Δ 3	6.8 *white*
3508	S 528	W^2 VI^h. 883	31 29	31 42	25.9	80.7:	8 ...11	1825.17	S 2	
3509	H 40	SD (5°) 1713	31 38	− 5 33	90±	30±	11 ...12	1820+	H	
3510	H 3876	L 12755	31 38	−22 31	338.5	15±	8 ...12	1837.1	H	
3511	Hn 80	SD (14°) 1511	31 41	−14 9	131.9	4.29	9.0... 9.0	1888.15	Com 3	
3512	Σ 944	DM (48°) 1411	31 44	48 22	53.3	6.60	8.0...10.0	1829.59	Σ 3	8.0 *wh.*
3513	Hu 563	DM (48°) 1412	31 44	48 18	329.9	0.74	9.0...10.5	1902.71	Hu 3	(*Bul. L. O.* No. 27)
3514	H 2326	....	31 44	20 3	90.0	6±	10 ...11	1830+	H	
3515	Σ 945	DM (41°) 1484	31 55	41 5	249.0	1.06	7.1... 8.0	1830.77	Σ 6	*White*
3516	H 2325	DM (59°) 1006	31 57	59 49	135±	20±	9 ...14	1830+	H	8.3m. in DM.
3517	A. G. 117	A. G. Lund 3425	31 58	39 26	117.6	8.98	8.7... 9.1	1902.80	β 2	
3518	OΣ 152	54 *Aurigae*	31 59	28 22	40.2	0.86	6.0... 7.8	1850.05	OΣ 5	*Bluish wh.: wh.*
3519	H 735	DM (35°) 1462	32 6	35 32	80±	3±	9 ...11	1820+	H	"Very elegant, ruddy"
3520	A 509	SD (8°) 1499	32 7	− 8 41	139.4	1.38	7.5...10.0	1903.86	A 3	A and B (*Bul. L. O.* No. 50)
					72.6	8.96	. .14.5	1903.86	A 2	A and C
3521	H Σ	DM (9°) 1322	32 35	9 45	272.6	0.66	7.8... 7.8	1894.13	H Σ 3	
3522	Howe 14	SD (13°) 1580	32 38	−14 0	34.0	9.48	8.2...11.2	1879.14	Cin 2	
3523	Comstock	SD (13°) 1584	32 48	−13 43	268.7	6.87	9 ...11	1888.14	Com 1	
3524	A. G. 118	A. G. Alb. 2325	32 52	2 26	307.3	34.80	8.5... 9.5	1903.08	Cg 3	
3525	H 2327	....	32 57	−10 21	52.3	7±	10 ...11	1830+	H	
3526	β 571	W^1 VI^h. 956	33 2	13 5	316.2	2.73	6.0...12.0	1877.95	β 1	
3527	Σ 947	DM (19°) 1433	33 19	19 32	176.8	18.48	8.5...11.2	1830.20	Σ 3	8.5 *yel.*
3528	H 3877	SD (22°) 1483	33 24	−22 56	351.1	12±	9 ... 9	1835.1	H	
3529	H 2329	....	33 26	3 40	83.3	10±	10–11...11	1830+	H	
3530	H 737	SD (6°) 1653	33 30	− 6 8	240±	15±	9 .. 11	1820+	H	
3531	Hn 81	SD (13°) 1587	33 31	−13 56	187.0	4.10	8.8...11.0	1888.39	Com 2	
3532	H 397	W^2 VI^h. 961	33 47	28 19	30±	25±	8 ...19	1820+	H	A and B
					50±	40±	...13	1820+	H	A and C
3533	Barnard 5	DM (58°) 960	33 49	58 3	194.7	85.64	9.0...	1898.67	Bar 2	A and BC
					316.1	0.77	11.0...11.2	1898.26	Bar 1	B and C
3534	Σ 951	W^1 VI^h. 978	33 51	9 56	308.9	21.35	8.5...10.7	1830.70	Σ 4	A and B
					229.2	11.56	...12	1878.16	β 1	B and C
3535	O. Stone 14	SD (7°) 1509	33 51	− 7 56	226.8	0.9±	8.6... 9.2	1878.05	Cin 1	
3536	Ho 236	W^2 VI^h. 981	33 55	20 45	202.5	17.34	7.2...13	1890.11	Ho 2	
3537	Hu 44	SD (11°) 1577	33 57	−11 36	146.1	2.28	8.5...13.2	1900.06	Hu 2	(*A. J.* 480)
3538	Hd 83	....	6 34 :	−20 25:	190±	18±	....	1881.20	Hd	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3539	H 2331	DM (3°) 1348	$6^h34^m\ 0^s$	3°39′	290° ±	15″ ±	7–8...17	1830+	H	A and B "B est. from diagram"
					51.6	30±	...14	1830+	H	A and C
3540	H 2334	....	34 12	−28 40	286.1	3±	11 ...11–12	1830+	H	
3541	Σ 946	P VI^h. 174	34 15	59 34	133.5	4.20	7.2... 9.0	1830.58	Σ 3	*Wh.: blue*
3542	Σ 950	15 *Monocerotis*	34 22	10 0	208.6	2.76	6.0... 8.8	1831.80	Σ 5	A and B AB *green:* C *blue*
					12.9	16.58	...11.2	1831.53	Σ 3	A and C
					307.1	40.	...11	1841.23	Da 1	A and D
					139.2	74.21	... 9.1	1874.42	Δ 2	A and E
					221.4	155.78	... 9.0	1874.42	Δ 2	A and F
					261.9	39.35	... 9.5	1873.81	Δ 2	F and G
3543	Δ 11	DM (10°) 1223	34 26	10 1	45.9	3.65	9.1... 9.2	1869.76	Δ 3	A and B
					221.3	40.63	... 9.2	1873.94	Δ 2	A and C
3544	H 2333	SD (4°) 1612	34 26	− 4 57	189.8	3±	11 ...11–12	1830+	H	
3545	Σ 949	W¹ VI^h. 1000	34 30	5 49	287.7	3.40	8.5... 9.0	1831.88	Σ 3	*White*
3546	Σ 954	DM (9°) 1344	34 34	9 35	153.5	12.72	7.7...10.2	1829.88	Σ 3	*7.7 white*
3547	Σ 952	DM (10°) 1227	34 34	10 0	295.2	13.55	9.0... 9.0	1829.21	Σ 2	
3548	Σ 953	W¹ VI^h. 1001	34 36	9 6	330.9	7.09	7.5... 8.0	1832.19	Σ 3	*Yel'sh: bluish*
3549	Σ 3117	DM (9°) 1349	34 46	9 51	93.2	0.60	8.9... 9.4	1832.70	Σ 4	
3550	OΣ 153 *rej.*	L 12816	34 48	25 35	70.8	9.99	7 ... 9–10	1843.24	Ma 2	
3551	H 2330	....	34 51	48 55	221.6	4±	11 = 11	1830+	H	
3552	Σ 3118	DM (9°) 1351	34 53	9 56	174.8	2.43	9.0... 9.5	1831.20	Σ 3	
3553	H 2335	DM (1°) 1458	34 56	1 18	101.1	10±	9–10..13	1830+	H	
3554	A 218	DM (30°) 1303	34 56	30 48	246.8	0.17	8.3... 8.4	1901.83	A 4	
3555	H 2328	O. Arg. N. 7153	35 1	52 53	175.9	40±	8–9...10–11	1830+	H	
3556	Ku 27	DM (14°) 1396	35 21	14 58	185.8	7.06	9.5... 9.8	1901.63	Ku 2	Kustner (3821)
3557	Σ 955	SD (7°) 1524	35 24	− 7 53	272.6	0.88	8.7... 9.0	1830.65	Σ 2	A and B *White*
					188.4	11.44	... 8.5	1831.41	Σ 4	AB and C
3558	A 325	SD (3°) 1553	35 32	− 3 52	77.8	1.47	8.0...11.0	1902.83	A 2	(*Bul. L. O.* No. 29)
3559	Σ 948	12 *Lyncis*	35 38	59 34	153.7	1.53	5.2... 6.1	1831.10	Σ 5	A and B AB *gr. wh.:* C *bluish*
					304.2	8.67	... 7.4	1831.10	Σ 5	A and C
3560	Ho 237	*Schj.* 2327	35 47	3 22	150±	0.3±	7.5... 7.5	1887.14	Ho 2	
3561	H 2337	L 12895	35 49	−11 12	100.2	15±	8 ...12	1830+	H	
3562	OΣ 154	L 12831	35 53	40 45	136.6	30.40	6.7... 8.4	1846.76	OΣ 2	*Yel.: blue*
3563	A 510	....	35 58	28 1	76.8	0.56	9.5...11.7	1903.89	A 2	
3564	H 41	....	36 0:	− 6 28:	225±	20±	....	1820+	H	
3565	H III. 114	....	36 18:	9 51:	....	....	....	1784.	H	
3566	Hu 564	DM (49°) 1540	36 19	49 31	103.8	0.16	9.0... 9.0	1902.72	Hu 2	(*Bul. L. O.* No. 27)
3567	Σ 956	DM (1°) 1472	36 27	1 50	188.8	4.56	8.0...11.0	1830.86	Σ 3	A and B 8.0 *yel'sh*
					154.7	34.95	... 8.7	1830.86	Σ 3	A and C
3568	S 533	*e Geminorum*	36 33	25 15	93.7	111.58	4 ...10	1825.04	S 2	
3569	β 19	L 12936	36 36	−15 53	165.0	3.52	6.7... 9.0	1876.26	Δ 3	
3570	Hu 45	SD (12°) 1591	36 43	−12 32	176.6	0.50	9.0... 9.5	1900.03	Hu 1	(*A. J.* 480)
3571	H 2336	DM (51°) 1231	36 43	51 57	152.0	25±	9 ...11–12	1830+	H	8.2 m. in DM
3572	A 511	A. G. Camb. 3463	36 46	28 29	146.0	1.12	9.0...10.0	1902.96	A 2	(*Bul. L. O.* No. 50)
3573	Hu 46	SD (12°) 1593	36 47	−12 11	153.4	2.47	9.1...10.2	1900.08	Hu 2	(*A. J.* 480)
3574	Hd 84	....	37 :	−21 35:	300±	2±	....	1869.09	Hd	
3575	Lamont 3	30 *Geminorum*	37 13	13 21	185.1	32.01	6 ...12.5	1836.24	L 3	
3576	A. G. 119	DM (23°) 1480	37 20	23 34	76.8	1.50	8.5... 9.0	1902.19	Cg 3	
3577	A 219	A. G. Camb. 3467	37 22	30 13	316.3	2.02	9.2... 9.6	1901.87	A 3	
3578	Hd 85	....	37 22	−20 30	232.9	4.18	9 ...11	1870.12	Hd 1	
3579	β 195	O. Arg. S. 5539	37 26	−23 7	217.6	6.05	7.0...11.0	1877.13	Cin 1	A and B
					178.4	35.04	...12.0	1892.15	Lv 1	A and C
3580	Σ 957	DM (30°) 1318	37 27	30 57	95.6	3.42	7.5... 9.0	1831.55	Σ 3	*White: ash*
3581	H C. Wilson 4	Cord. DM (23°) 4239	37 27	−23 7	350.6	14.98	8.0... 8.5	1882.09	W 2	
3582	S 534	L 12973	37 43	−22 19	143.2	18.25	8 ...10	1825.20	S 2	
3583	A 122	A. G. Camb. 3471	6 37 50	29 29	30.0	0.43	8.2... 8.6	1900.93	A 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3584	**OΣ 155**	**L 12941**	$6^h\ 38^m\ 2^s$	24°48	262°1	14′91	7.0... 9.9	1854.48	OΣ 4	
3585	**Sh 75**	56 *Aurigae*	38 5	43 42	17.1	55.38	6 ... 9	1823.20	Sh 1	*White: blue*
3586	**Σ 959**	**DM** (13°) 1392	38 10	13 53	175.5	11.64	8.7... 9.0	1828.19	Σ 3	*White*
3587	**Σ 958**	**O. Arg. S.** 7206	38 11	55 50	256.7	5.07	6.0... 6.0	1830.91	Σ 3	*White*
3588	**H 3284**	....	38 28	36 19	89.0	3±	12 ...12	1831+	H	
3589	**A. G. 120**	**A. G. Alb.** 2381	38 31	3 48	50±	6±	8.1...10.0	....	....	
3590	**H 2338**	**DM** (56°) 1154	38 43	56 5	257.2	15±	9 ...11–12	1830+	H	
3591	**A. G. 121**	**A. G. Alb.** 2390	39 16	5 1	21.2	24.73	9.1...10.2	1903.07	M 3	
3592	**A 57**	**SD** (3°) 1576	39 19	− 3 51	235.7	0.97	8.8...12.5	1900.18	A 3	A and B
					320.3	4.98	...14.5	1900.20	A 2	A and C
3593	**Ho 238**	**W^2 VI^h.** 1169	39 20	18 20	185.8	0.45	8.5... 8.5	1887.21	Ho 1	
3594	**H 738**	....	39 52	−10 40	30±	5±	10 ...11	1820+	H	
3595	**H 1158**	....	39 53	−10 47	140±	8±	12 ...12	1820+	H	
3596	**A. G. Clark 1**	α *Canis Majoris* (**Sirius**)	39 53	−16 33	84.6	10.07	....	1862.19	Bd 3	
3597	**Hd 86**	....	40 :	−19 1:	*sf*	7±	9 ...11	1869.08	Hd	
3598	**Hd 87**	....	40 :	−20 35	87.1	7.92	10 ...11	1867.08	Hd 1	
3599	**Hd 88**	....	40 :	−20 40:	100±	....	....	1867.08	Hd	"Close; doubtful"
3600	**Σ 960**	**P VI^h.** 215	40 1	53 10	66.4	21.93	7.3... 9.2	1829.21	Σ 3	7.3 *white*
3601	**OΣ 156**	**L 13021**	40 23	18 19	342.5	0.42	6.5... 7.0	1844.99	OΣ 4	*White*
3602	**Σ 967** *rej.*	**SD** (5°) 1797	40 25	− 6 0	191.5	11.5	8.0...12	1832.2	Σ	
3603	**Ho 516**	**Lac.** 2434	40 27	−30 28	223.1	4.35	7 ...11	1898.15	Ho 2	
3604	**Σ 965**	**W^1 VI^h.** 1187	40 36	11 3	351.8	5.49	8.3...10.3	1829.86	Σ 3	A and B
					322.2	14.35	...13	1879.16	β 2	A and C
					70.9	47.02	... 8.7	1829.86	Σ 3	A and D
3605	**H 42**	....	40 41:	− 6 17:	50±	30±	9 ...11	1820+	H	Probably SD (6°) 1732
3606	**Σ 962**	**DM** (26°) 1358	40 42	26 50	241.2	25.72	8.5... 8.5	1830.24	Σ 3	*White*
3607	**H̥ II. 71**	....	40 55:	41 12:	45.4	....	....	1783.29	H̥ 1	A and B
					....	17.68	....	1783.21	H̥ 1	C and D
3608	**H 3891**	**B. A. C.** 2219	40 57	−30 49	220.0	5.0	6 ...10	1838.0	H	
3609	**O. Stone 15**	....	41 :	−20 35:	143.2	2.75	9.0... 9.0	1876.01	Cin 1	
3610	**Hd 89**	....	41 :	−20 40:	*p*	6±	9 ...10	1870.11	Hd	
3611	**β 756**	**DM** (39°) 1754	41 7	39 36	....	....	....	....	....	
3612	**Espin 15**	**DM** (46°) 1192	41 10	46 19	274.0	27.20	6.8...10.2	1899.11	Es 2	(*A. N.* 3717)
3613	**H 2340**	....	41 13	−29 13	0.0	6±	10 ...11	1830+	H	
3614	**Howe 15**	....	41 20:	−20 23:	212.4	14.35	9.0...10.0	1876.01	Cin 1	
3615	**OΣ 157**	**L 13080**	41 38	0 28	7.5	0.71	7.5... 8.0	1847.74	OΣ 2	*White*
3616	**Σ 964**	**DM** (43°) 1604	41 42	43 53	195.5	1.69	8.3... 9.0	1831.29	Σ 3	*White*
3617	**Howe 16**	....	41 50:	−20 30:	189.8	2.3±	9.0...11.0	1876.01	Cin 1	
3618	**Σ 966**	**DM** (40°) 1729	41 51	40 5	112.3	5.11	8.2...10.2	1831.91	Σ 3	8.2 *yel'sh*
3619	**H 2341**	**O. Arg. S.** 5667	41 52	−20 33	86.4	45±	8–9... 9–10	1830+	H	"In a fine cluster"
3620	**Hd 90**	....	42 :	−22 3:	....	....	....	1881.20	Hd	No description
3621	**H 2343**	**Cord. DM** (29°) 3458	42 4	−29 7	91.0	25±	9–10...11	1830+	H	
3622	**Σ 970**	**SD** (11°) 1636	42 12	−11 36	128.6	20.08	8.5... 9.0	1830.52	Σ 3	
3623	**A. G. 122**	**DM** (8°) 1509	42 19	8 51	217.3	2.75	10.0...10.5	1894.14	Lp	
3624	**Σ 969**	**W^1 VI^h.** 1254	42 19	−10 58	316.3	6.62	7.2...10.2	1830.84	Σ 3	7.2 *white*
3625	**Σ 963**	14 *Lyncis*	42 30	59 35	51.5	0.90	5.9... 7.1	1830.88	Σ 7	*Gold: purple*
3626	**A 58**	**SD** (3°) 1603	42 39	− 3 58	146.8	4.10	7.6... 8.3	1900.14	A 3	
3627	**Espin 67**	**DM** (40°) 1734	42 49	40 38	309.7	6.2	8.2... 9.3	1901	Es	(*A. N.* 3784)
3628	**Σ 971**	**SD** (13°) 1660	42 50	−13 18	331.0	1.85	8.2... 8.5	1829.86	Σ 3	
3629	**Σ 972** *rej.*	**SD** (15°) 1519	42 57	−15 12	....	III–IV	8–9... 8–9	....	Σ	From *Cat. Nov.*
3630	**Ho 239**	**W^1 VI^h.** 1267	43 8	14 50	132.9	0.36	8.0... 8.5	1887.21	Ho 1	A and B
					336.4	36.10	...11	1887.10	Ho 1	AB and C
3631	**H 43**	....	43 11:	− 6 17:	275±	20±	....	1820+	H	
3632	**H 44**	....	43 17:	− 6 20:	90±	15±	12 ...13	1820+	H	
3633	**Σ 968**	**L 13052**	43 17	52 50	287.3	20.56	8.0... 9.0	1830.22	Σ 2	*White*
3634	**H 2344**	**SD** (9°) 1660	6 43 18	− 9 27	242.5	10±	10 ...11	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3635	β 20	L 13170	6^h 43^m 25^s	−16° 4′	29°.8	3″.20	7.7...11.1	1876.42	Δ 4	
3636	A. Clark 4	*Canis Majoris* 89	43 32	−15 1	286.5	1±	6½... 9	1858.1	J 2	
3637	Espin 68	DM (40°) 1738	43 42	40 33	75.0	8.7	8.0...10.0	1901	Es	(*A. N.* 3784)
3638	Espin 69	DM (51°) 1365	43 48	51 46	132.4	5.1	9.2...10.2	1901	Es	(*A. N.* 3784)
3639	H 2342	O. Arg. N. 7293	43 53	49 40	43.5	18±	9 ...14	1830+	H	"Triple"
					74.4	25±	...14	1830+	H	
3640	H 2345	....	43 57	19 23	116.4	8±	11 ...11	1830+	H	
3641	OΣ 158 *rej.*	Rad^1. 1823	44 0	51 40	304.3	16.82	7.0...11.3	1868.33	Δ 3	7.0 *yel.*
3642	Hu 615	DM (49°) 1557	44 5	49 25	319.8	1.58	9.0...12.0	1902.99	Hu 2	
3643	H 2339	DM (71°) 372	44 7	71 4	143.7	16±	9 ...13	1830+	H	
3644	A 59	SD (5°) 1820	44 15	− 5 42	147.5	4.37	8.4...12.5	1900.14	A 3	(*A. N.* 3668)
3645	A 60	SD (2°) 1784	44 16	− 2 56	128.8	0.97	9.0... 9.5	1900.16	A 3	(*A. N.* 3668)
3646	Σ 976	W^2 VI^h. 1307	44 20	18 48	117.6	35.71	8.0... 8.8	1829.90	Σ 3	
3647	β 1193	36 *Geminorum*	44 21	21 54	355.0	10.81	5.7...14.5	1890.90	β 3	
3648	A 512	A. G. Camb. 3544	44 22	25 11	142.4	0.26	9.0... 9.3	1903.89	A 2	(*Bul. L. O.* No. 50)
3649	S 538	Lac. 2461	44 39	−24 0	3.3	27.81	8 ... 9	1825.14	S 2	
3650	β 897	*Monocerotis* 97	44 42	− 0 23	30.9	5.60	6.5...12.0	1879.14	β 3	
3651	Ho 26	W^2 VI^h. 1319	44 44	20 28	200.8	5.06	8.5...12.0	1882.74	Ho 2	
3652	β 324	Lac. 2462	44 45	−23 56	202.5	1.88	7.0... 8.0	1877.11	Cin 2	A and B
					281.9	30.30	...11	1825.16	S 3	AB and C
					2.4	30.27	...13	1898.14	Doo 3	AB and D
3653	Σ 974	59 *Aurigae*	44 46	39 1	222.6	22.26	6.7...10.0	1831.11	Σ 3	6.7 *yel'sh*
3654	H 3285	....	44 47	38 17	251.9	10±	10 ...11	1831+	H	
3655	A. G. 123	A. G. Alb. 2449	44 47	2 0	263.6	2.43	8.8...10.2	1903.09	Cg 3	
3656	H 399	....	44 47	− 3 7	40±	3±	12 = 12	1820+	H	"Points to a star *sp*"
3657	H 2347	DM (5°) 1444	44 58	5 42	16.9	18±	9–10 = 9–10	1830+	H	
3658	Hd 91	....	45 :	−20 45:	348.5	9.90	9 ...10.5	1867.08	Hd 1	
3659	β 898	O. Arg. S. 5753	45 0	−15 53	356.2	2.95	7.8...11.3	1879.75	β 5	A and B
					171.7	1.54	9.8...10.6	1879.52	β 3	C and D
					283.1	96.50	....	1879.69	β 2	A and C
3660	H 2349	....	45 16	−10 0	270±	10±	10 ...13	1830+	H	"P est. from diagram"
3661	Hn 82	SD (11°) 1660	45 18	−11 38	222.8	1.70	9.3...10.4	1888.41	Com 3	
3662	A 513	A. G. Camb. 3561	45 23	25 7	345.0	0.42	8.7... 8.8	1903.89	A 2	(*Bul. L. O.* No. 50)
3663	H 741	SD (9°) 1680	45 31	− 9 58	225±	15±	8 ...14	1820+	H	
3664	H 739	DM (28°) 1266	45 32	28 51	310±	9±	9 ...12	1820+	H	
3665	Hn 83	SD (11°) 1661	45 36	−11 17	166.0	3.11	9.7... 9.7	1888.41	Com 3	
3666	H 740	DM (0°) 1660	45 38	0 36	13±	20±	8–9...10	1820+	H	
3667	H 2346	....	45 58	52 15	326.2	15±	10 ...13	1830+	H	
3668	Hu 616	DM (33°) 1427	46 12	33 50	304.6	0.18	9.1... 9.5	1902.76	Hu 2	
3669	Innes 182	Yar. 2774	46 15	−28 35	141.4	0.74	8.4... 9.2	1901.13	I 1	
3670	Σ 977	DM (48°) 1450	46 20	48 43	128.7	1.70	8.0... 9.5	1831.93	Σ 3	8.0 *white*
3671	Σ 975 *rej.*	DM (65°) 550	46 20	65 26	....	Cl. III	7–8...11	....	Σ	From *Cat. Nov.*
3672	Innes 431	Yar. 2777	46 23	−28 36	321.5	0.37	....	1902.22	I 1	A and B
					161.0	8±	9 = 9	1835.1	H	AB and C
3673	H 401	DM (23°) 1527	46 24	23 41	225±	12–15	9 ...11	1820+	H	
3674	H 2348	....	46 25	52 14	207±	25±	10 ...10+	1830+	H	
3675	H 400	....	46 27	28 12	285±	8–10	10 = 10	1820+	H	
3676	H 402	....	46 39	23 44	235±	10±	10 = 10	1820+	H	
3677	Arg. 16	O. Arg. S. 5806	46 49	−18 30	170±	25±	8½...10	....	β	
3678	OΣ 159	15 *Lyncis*	46 54	58 35	323.4	0.53	5.1... 6.2	1844.04	OΣ 4	A and B
					342.0	23.58	...13.0	1878.50	β 2	AB and C
3679	β 325	O Arg. S. 5814	46 59	−26 26	32.1	2.05	8.0... 9.0	1877.11	Cin 1	
3680	Hd 92	....	47 :	−19 1:	*nf*	8±	9 ...10	1869.08	Hd	
3681	OΣ 160	L 13275	47 12	21 19	167.1	1.26	6.8... 9.8	1848.23	OΣ 3	
3682	H 2351	....	47 16	18 8	167.8	7±	10–11..11–12	1830+	H	
3683	H 2352	....	6 47 17	0 41	21.6	20±	9 ...10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3684	H 2350	DM (54°) 1089	$6^h\ 47^m\ 18^s$	54°47′	224°5	10″±	9–10…10–11	1830+	H	
3685	Σ 978	*Telescopii* 30	47 22	38 3	98.9	14.78	7.0… 9.8	1831.10	Σ 3	7.0 *very yel.*
3686	A 220	DM (31°) 1440	47 31	31 56	53.6	0.62	9.1…12.0	1901.88	A 2	
3687	OΣ (App) 79	W^1 VI^h. 1410	47 39	6 50	89.1	116.14	6.8… 7.3	1875.62	Δ 3	
3688	Σ 979	O. Arg. N. 7370	47 43	46 42	209.7	7.45	8.0… 8.8	1830.92	Σ 3	*Very white*
3689	Σ 981	W^2 VI^h. 1391	47 46	30 19	149.3	3.67	8.0… 8.0	1831.26	Σ 3	*White*
3690	OΣ 161 *rej.*	L 13296	47 46	21 43	172.0	19.65	6.5…10.8	1868.08	Δ 3	6.5 *yel.*
3691	H 2353	….	47 49	− 5 25	163.1	18±	9–10…11	1830+	H	
3692	Σ 982	38 *Geminorum*	47 52	13 20	174.9	5.73	5.4… 7.7	1829.24	Σ 5	*Yel'sh: bluish*
3693	Σ 985 *rej.*	SD (4°) 1714	47 59	− 4 15	….	Cl. IV	8 … 9	….	Σ	B=SD (4°) 1713
3694	Σ 973	O. Arg. N. 7336	48 6	75 24	26.7	11.93	6.6… 7.6	1831.84	Σ 4	*White*
3695	See 71	O. Arg. S. 5848	48 11	−26 49	100.5	10.64	6 …14.7	1897.84	See 1	
3696	Σ 988	W^1 VI^h. 1441	48 15	− 9 53	264.4	33.06	8.6… 8.9	1831.41	Σ 4	
3697	Σ 987	L 13341	48 16	− 5 42	163.5	1.13	7.7… 7.8	1831.49	Σ 3	*White*
3698	Σ 983	DM (34°) 1495	48 17	34 37	36.6	11.85	7.7…11.7	1830.76	Σ 2	7.7 *yel.*
3699	A. G. 124	A. G. Alb. 2495	48 19	2 46	207.3	6.98	8.6…10.3	1903.14	M 3	
3700	Σ 986	DM (9°) 1432	48 19	9 39	167.2	5.20	8.3… 8.8	1828.20	Σ 3	*Very wh.*
3701	Σ 984	DM (32°) 1442	48 25	32 36	167.1	6.02	8.1…10.0	1831.95	Σ 4	8.1 *yel'sh wh.*
3702	Σ 989	DM (3°) 1456	48 29	3 42	213.0	8.26	8.8… 9.7	1831.54	Σ 3	A and B
					67.4	15.22	…11.5	1831.54	Σ 3	A and C
3703	H 45	….	48 35:	− 6 15:	85±	10±	10 …12	1820+	H	
3704	A 61	SD (4°) 1721	48 37	− 4 33	269.5	2.59	9.1…10.4	1900.15	A 3	(*A. N.* 3668)
3705	Σ 990	SD (14°) 1633	48 51	−14 6	274.9	3.27	8.7… 9.3	1831.20	Σ 3	*White*
3706	H 742	DM (29°) 1407	48 57	29 8	5±	6±	9 …10	1820+	H	
3707	Ho 27	DM (20°) 1633	48 58	20 15	126.2	3.01	9 … 9	1882.23	Ho 2	
3708	A. G. 125	A. G. Alb. 2500	49 11	2 44	251.0	14.48	8.9…10.3	1903.14	Cg 3	
3709	H 743	….	49 31	− 6 40	230±	5±	11 …12	1820+	H	
3710	Σ 991	DM (25°) 1509	49 40	25 7	172.4	3.79	8.0… 9.0	1830.54	Σ 3	*Very wh.: bluish*
3711	Σ 995	W^1 VI^h. 1469	49 40	11 11	292.5	21.57	8.7… 9.2	1828.19	Σ 2	
3712	A. G. 126	A. G. Lund 3603	49 45	39 34	76.0	4.04	9.0… 9.2	1902.80	β 2	
3713	S 540	17 *Canis Majoris*	49 52	−20 15	147.9	45.03	6 …10	1825.04	S 2	A and B
					184.3	52.96	…12	1825.04	S 2	A and C
					185.3	128.36	…15	1825.04	S 2	A and D
3714	Σ 992	SD (9°) 1733	49 55	− 9 20	298.3	13.68	8.0… 9.5	1830.16	Σ 2	8.0 *yel'sh*
3715	β 326	L 13404	49 57	2 28	62.8	1.25	8.0… 9.5	1876.83	Δ 2	
3716	H 404	….	49 58	27 29	80±	8±	11 = 11	1820+	H	
3717	Ho 28	….	50 0	27 8	256.8	5.37	9.5… 9.5	1886.22	Ho 1	
3718	A. G. 127	A. G. Alb. 2508	50 5	3 21	….	….	8.6…	….	….	
3719	Σ 993 *rej.*	W^1 VI^h 1502	50 7	−11 42	….	Cl. IV	8 … 8	….	Σ	
3720	H 745	DM (−1°) 1463	50 12	− 1 5	305±	7±	9 …10	1820+	H	"Neat double star"
3721	H̱ N. 123	19 *Canis Majoris*	50 25	−19 59	360.0	Cl. II	….	1799.08	H̱ 1	
3722	See 72	O. Arg. S. 5901	50 27	−21 53	39.0	13.63	7 …12.3	1897.83	See 1	
3723	Σ 980	DM (72°) 345	50 27	72 50	184.5	3.26	8.6…10.1	1832.50	Σ 5	8.6 *white*
3724	A. G. 128	DM (21°) 1445	50 30	21 10	….	….	9.3…	….	….	
3725	Σ 997	*μ Canis Majoris*	50 36	−13 53	343.5	3.22	4.7… 8.0	1831.20	Σ 3	*Yel.: blue*
3726	Kr 29	DM (57°) 1025	50 50	57 1	357.1	6.37	9.0… 9.1	1891.21	β 1	
3727	O. Stone 16	O. Arg. S. 5917	50 58	−25 22	97.6	3.80	7.5…11.0	1877.11	Cin 2	
3728	Σ 998	SD (5°) 1881	50 59	− 5 19	205.5	3.14	8.2… 8.5	1831.49	Σ 3	*White*
3729	Σ 999 *rej.*	….	51 :	− 8 52:	….	Cl. IV	8 …10	….	Σ	From *Cat. Nov.*
3730	H 46	….	51 :	− 6 0:	97±	6±	9 …15	1820+	H	
3731	OΣ (App) 80	L 13439	51 18	14 23	53.0	124.35	7.0… 7.2	1876.36	Δ 3	A and B
					111.5	….	… 8.0	1876.36	Δ 3	A and C Δ (I)
					192.5	….	….	1876.36	Δ 3	B and C
3732	Σ 994	*Telescopii* 36	51 21	37 16	56.8	25.57	7.2… 7.5	1831.40	Σ 4	*Very wh.*
3733	S 541	O. Arg. S. 5922	6 51 30	−22 29	43.1	24.10	8 … 9	1825.16	S 2	A and B
					122.2	….	…10	1825.16	S 1	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3734	A 514	SD (9°) 1745	$6^h\ 51^m\ 38^s$	− 9°56′	96°.0	1″.35	9.0... 9.2	1903.86	A 2	(*Bul. L. O.* No. 50)
3735	Σ 996	W^2 VI^h. 1497	51 39	43 9	166.8	9.32	8.0... 9.8	1830.59	Σ 3	A and B } 8.0 *yel'sh wh.*
					310.2	17.16	...10.3	1830.59	Σ 3	A and C
3736	Ho 517	SD (19°) 1622	51 47	−19 17	330±	3±	7 ...13	1890.07	Ho	(*A. N.* 3557)
3737	H 2354	....	51 52	52 14	85.1	3±	10–11..14	1830+	H	"Delicate"
3738	H 2356	....	51 54	−29 15	81.9	10±	9 ...10	1830+	H	
3739	Σ 1000	DM (25°) 1524	51 59	25 24	66.9	22.40	7.7... 8.7	1829.74	Σ 2	*White*
3740	Hd 93	....	51 59	−19 37	*n*	8±	9 ... 9	....	Hd	
3741	Innes 432	....	52 :	−28 35	213.2	1.65	....	1902.22	I 1	(*M. N.* LXIV 132)
3742	H 3902	....	52 8	−18 12	49±	10±	10 ...10	1834+	H	
3743	β 899	W^2 VI^h. 1526	52 9	18 53	261.4	0.68	9.0... 9.0	1879.14	β 1	A and B
					174.2	24.07	...10	1879.14	β 2	AB and C
					48.1	40.46	... 9	1879.14	β 2	AB and D
3744	A 326	SD (4°) 1751	52 23	− 4 30	137.0	2.79	9.2... 9.4	1902.83	A 2	A and B } (*Bul. L. O.* No. 29)
					75.1	7.83	...13.0	1902.79	A 1	B and C
3745	H 405	....	52 25	22 4	220±	6±	10 ...10+	1820+	H	
3746	β 327	L 13492	52 28	− 2 52	100.8	0.96	7.5... 8.0	1876.83	Δ 2	A and B
					102.6	13.22	...11.5	1876.83	Δ 2	AB and C
3747	β 1060	L 13491	52 38	3 46	58.3	3.01	7.0...12.0	1889.15	β 2	
3748	H 406	DM (27°) 1291	52 40	27 56	195±	10±	9 ...10	1820±	H	
3749	A 515	SD (9°) 1761	52 44	−10 2	306.1	1.56	8.2... 9.5	1903.86	A 2	(*Bul. L. O.* No. 50)
3750	Σ 1003	SD (8°) 1652	52 50	− 9 0	320.3	3.85	9.0... 9.2	1831.17	Σ 3	
3751	Σ 1004	SD (11°) 1714	52 50	−11 16	87.5	18.43	7.7... 9.2	1830.16	Σ 2	7.7 *very wh.*
3752	OΣ 162 *rej.*	41 *Geminorum*	52 57	16 6	164.9	13.5?	7 ...10	1843.3	Ma 1	
3753	A. G. 129	A. G. Leiden 2917	52 59	32 6	23.0	6.05	9.1... 9.5	1902.77	β 2	
3754	H 407	....	53 1	35 33	165±	3±	11 ...12	1820+	H	Decl. corrected in H (VII)
3755	β 1022	W^2 VI^h. 1557	53 15	27 26	133.8	0.48	8.5... 8.5	1899.02	β 1	A and B
					196.3	31.35	...12.5	1899.02	β 1	AB and C
3756	A. G. 130	A. G. Lund 3634	53 19	40 0	150.9	13.23	9.2... 9.3	1902.80	β 2	A and B
					244.9	7.62	...11.6	1902.80	β 2	B and C
3757	Σ 1001	O. Arg. N. 7462	53 21	54 21	64.0	8.90	7.1... 8.7	1831.48	Σ 5	A and B } 7.1 *golden*
					354.8	1.65	... 9.0	1831.48	Σ 5	B and C
3758	H 746	....	53 34	− 0 13	272±	2±	10 ...11	1820+	H	
3759	H 3287	W^1 VI^h. 1615	53 47	0 7	82.2	15±	9–10 = 9–10	1831+	H	
3760	Σ 1007 *rej.*	W^1 VI^h. 1610	53 53	12 53	27.7	....	8–9 = 8–9	1831+	H	A and B
					302.5	9±	...14	1831+	H	B and C
					246.4	12±	...14	1831+	H	B and D
3761	....	ε *Canis Majoris*	53 54	−28 48	161.2	7.48	2 ... 9.0	1850.10	....	
3762	Σ 1002	DM (56°) 1173	54 7	56 37	316.5	30.17	8.5... 9.0	1829.76	Σ 2	
3763	Σ 1008	DM (26°) 1431	54 10	26 45	270.2	2.38	8.0...10.0	1830.93	Σ 3	8.0 *white*
3764	β 100	W^1 VI^h. 1620	54 14	12 34	258.1	3.27	7.0...10.8	1875.36	Δ 3	
3765	A. G. 131	A. G. Alb. 2558	54 15	2 49	91.8	3.71	9.0... 9.3	1903.11	M 3	
3768	OΣ 163	L 13550	54 28	11 57	320.7	0.57	7.2... 8.5	1848.57	OΣ 3	A and B } AB *white*
					158.5	14.18	...12	1879.03	β 1	AB and C
3769	Hu 111	SD (11°) 1728	54 29	−11 50	18.1	3.00	8.7... 8.7	1900.24	Hu 3	(*A. J.* 485)
3770	A. G. 132	A. G. Alb. 2566	54 49	3 13	269.4	6.67	8.3...10.8	1903.11	Cg 3	
3771	A 516	SD (6°) 1873	54 52	− 6 47	225.1	3.34	9.0...12.5	1903.22	A 2	(*Bul. L. O.* No. 50)
3772	See 73	Lac. 2558	54 56	−27 44	346.1	0.27	7.9... 8	1897.77	See 1	(*A. J.* 431)
3773	Hd 95	....	55 :	−19 45:	138.8	9.90	9 ... 9	1869.09	Hd 1	A third star 15 m.
3774	H 2355	O. Arg. N. 7464	55 0	72 8	245.2	50±	7–8...11	1830+	H	
3775	Σ 1005 *rej.*	DM (63°) 686	55 9	63 1	....	Cl. IV	7 ... 9	....	Σ	From *Cat. Nov.*
3776	See 74	L 13620	55 13	−21 57	230.4	13.77	6 ...14.7	1897.83	See 1	
3777	A 517	SD (2°) 1884	55 18	− 2 58	34.9	2.35	9.1...13.8	1903.07	A 3	(*Bul. L. O.* No. 50)
3778	A. G. 133	A. G. Alb. 2570	55 18	2 43	204.4	20.55	8.9...10.7	1903.15	M 3	
3779	H 408	DM (23°) 1578	55 20	23 32	60±	10±	9 ...11	1820+	H	"Points to a star at 40″"
3780	S 543	L 13625	6 55 24	−22 28	271.4	91.43	9 ... 9½	1825.16	S 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3781	**β 572**	L 13623	6^h 55^m 24^s	−20° 28′	143°.9	5″.07	7.2...11.0	1879.39	β 3	
3782	**Σ 1011**	*Canis Majoris* 124	55 24	−15 9	295.7	4.46	8.0... 8.5	1831.20	Σ 3	*White*
3783	**A 518**	SD (2°) 1885	55 27	− 2 57	187.6	2.68	8.0...15.5	1903.16	A 2	A and B } AC = Σ 1010
					4.5	23.68	7.8... 8.8	1833.84	Σ 3	A and C
3784	**A 671**	SD (8°) 1674	55 33	− 8 56	155.6	0.41	9.3... 9.3	1904.06	A 3	(*Bul. L. O.* No. 61)
3785	**H 3288**	W^1 VI^h. 1670	55 35	12 45	254.4	50±	8–9...10	1831+	H	
3786	**Hu 704**	DM (34°) 1515	55 38	34 26	9.3	0.23	8.8... 9.5	1902.77	Hu 1	
3787	**A. G. 134**	DM (24°) 1508	55 38	24 38	21.3	1.48	9.0... 9.2	1902.68	M 4	A and B }
					355±	15±	9 ...11	1820+	H	A and C }
3788	**H 747**	....	55 45	10 56	160±	10±	10 ...10	1820+	H	
3789	**Σ 1006**	DM (62°) 902	55 47	62 43	71.6	30.59	7.0... 8.0	1831.61	Σ 3	*Yel'sh: wh.*
3790	**Innes 183**	Cord. 6^h 2870	55 54	−25 29	144.4	3.34	6.5... 9.8	1897.84	See 1	
3791	**Hd 96**	....	56 :	−21 21:	320±	7±	9 ... 9.5	1870.12	Hd	
3792	**Ho 342**	*Schj.* 2484	56 6	13 16	75.8	0.76	8.0... 8.8	1891.74	Ho 4	
3793	**Σ 1009**	P VI^h. 301	56 7	52 56	159.2	2.94	6.7... 6.8	1830.34	Σ 5	*Very wh.*
3794	**β 573**	L 13642	56 11	−10 42	246.9	0.82	7.5... 8.0	1878.21	Δ 1	
3795	**Hu 112**	SD (11°) 1747	56 12	−11 8	191.0	0.55	7.5... 8.2	1900.25	Hu 3	(*A. J.* 485)
3796	**H 3913**	Cord. DM (28°) 3727	56 37	−28 53	128.7	6±	9½...10	1835.1	H	
3797	**Sh 77**	*ζ Geminorum*	56 59	20 45	83.6	87.22	4 ...10.5	1880.01	β 2	A and B }
					355.4	91.03	... 8	1821.22	Sh 1	A and C }
3798	**H 3914**	L 13687	57 7	−23 19	315.6	12±	7½...13	1835.1	H	
3799	**H 748**	W^1 VI^h. 1737	57 12	− 8 10	170.4	3±	9 ...13	1820+	H	A and B }
					0.5	12±	...16	1820+	H	A and C }
3800	**H 3916**	....	57 12	−30 57	102.3	5±	10½ = 10½	1836.1	H	
3801	**Skinner 3**	SD (17°) 1742	57 17	−17 36	274.3	5.17	9.0...	1900.83	Boe 1	Boeger (*A. J.* 522)
3802	**H 3917**	....	57 17	−30 36	96.7	4±	9½...10	1835.1	H	
3803	**Σ 1012**	DM (28°) 1305	57 22	28 18	167.4	12.74	8.2... 8.7	1829.27	Σ 2	
3804	**H 2358**	SD (20°) 1687	57 26	−20 55	328.0	10±	9–10..10	1830+	H	
3805	**Hn 84**	SD (8°) 1714	57 43	− 8 17	37.4	5.24	9.6... 9.7	1888.39	Com 3	
3806	**H 3289**	....	57 47	36 20	311.3	10±	10 ...12	1831+	H	"In the field with Σ 1013"
3807	**Σ 1013**	DM (36°) 1562	57 51	36 14	35.1	4.84	8.2... 9.5	1831.53	Σ 3	8.2 *white*
3808	**A. G. 135**	A. G. Lund 3677	58 1	38 26	29.4	3.90	9.4... 9.8	1902.80	β 2	
3809	**Ho 241**	DM (4°) 1567	58 2	4 45	182.7	8.82	8 ...13	1887.24	Ho 1	
3810	**Ho 29**	DM (20°) 1694	58 6	20 11	158.5	3.43	9.5... 9.7	1883.32	Ho 1	
3811	**OΣ (App) 82**	L 13695	58 7	1 40	318.1	90.37	6.2... 7.2	1876.37	Δ 3	Δ (I)
3812	**Hu 47**	SD (13°) 1789	58 9	−13 31	307.3	1.51	9.1...13.0	1900.08	Hu 1	(*A. J.* 480)
3813	**H 2360**	W^1 VI^h. 1767	58 17	6 6	155.2	20±	8–9...11	1830+	H	
3814	**Σ 1014**	DM (26°) 1451	58 20	26 19	32.2	2.09	8.7... 8.7	1830.23	Σ 3	*White*
3815	**A 519**	SD (2°) 1908	58 21	− 2 52	273.2	0.39	8.8... 9.0	1903.04	A 3	(*Bul. L. O.* No. 50)
3816	**A. G. 136**	A. G. Lund 3682	58 29	38 12	215.5	6.94	9.0... 9.2	1902.80	β 2	
3817	**H 749**	....	58 30	−11 8	125±	12±	11 ...12	1820+	H	
3818	**β 900**	L 13688	58 33	21 11	272.6	1.58	8.2...11.7	1880.20	β 2	
3819	**Hu 454**	DM (21°) 1504	58 34	21 52	217.8	2.00	9.1...11.3	1902.09	Hu 3	(*Bul. L. O.* No. 21)
3820	**H 2361**	....	58 42	−29 37	128.4	15±	10 ...10+	1830+	H	
3821	**OΣ 164** *rej.*	L 13675	58 51	25 2	47.8	9.09	6–7...10	1843.22	Ma 2	
3822	**A. G. 137**	A. G. Leiden 2967	58 56	34 19	65.6	33.51	9.5... 9.7	1902.80	β 2	
3823	**Σ 1016**	SD (11°) 1770	59 1	−11 21	152.4	5.15	7.9... 9.9	1831.68	Σ 4	7.9 *white*
3824	**Σ 1015**	W^1 VI^h. 1804	59 2	− 5 36	195.6	4.92	8.7... 8.7	1831.52	Σ 3	*White*
3825	**H 2359**	DM (58°) 1002	59 37	58 17	17.5	25±	9 ... 9–10	1830+	H	
3826	**H 411**	....	59 49	35 24	50±	4±	10 ...11	1820+	H	
3827	**Skinner 4**	SD (16°) 1750	59 56	−16 27	338.1	4.37	9.0...	1900.83	Boe 1	Boeger (*A. J.* 522)
3828	**H 3923**	Cord. DM (29°) 3852	59 57	−29 31	197.8	12±	9 ...10	1835.1	H	"A third 9 m. *nf.*"
3829	**H 47**	....	59 59:	− 6 1:	105±	10±	....	1820+	H	}
					105±	25±	....	1820+	H	}
3830	**Hu 705**	DM (33°) 1475	7 0 1	33 1	218.9	0.50	9.1... 9.8	1902.75	Hu 1	
3831	**H 412**	DM (24°) 1531	7 0 3	24 21	20±	35±	7 ...17	1820+	H	"Large star *red*"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3832	Δ 12	*Canis Majoris* 136	7^h 0^m 10^s	−10°29′	279°.5	6″.12	7.0...10.9	1870.19	Δ 4	A and B } *7.0 very wh.*
					294.0	37.84	... 9.3	1830.16	Σ	A and C } AC=Σ 1019
3833	H 750	....	0 13	−2 7	282±	3±	9 ... 9+	1820+	H	
3834	Σ 1017	DM (17°) 1495	0 14	17 1	254.0	12.21	8.5... 9.2	1828.87	Σ 3	*White*
3835	Hu 48	SD (12°) 1781	0 34	−12 46	150 .2	2.67	8.5... 8.7	1900.10	Hu 2	(*A, J.* 480)
3836	Σ 1018	DM (36°) 1569	0 50	36 5	16.9	9.76	8.5... 9.7	1830.77	Σ 2	8.5 *white*
3837	H 751	*Schj.* 2528	0 50	9 24	5±	10±	8 ...12	1820+	H	(See p. 1069)
3838	Hd 97	....	1 :	−19 2:	*np*	5±	9 ...	1869.08	Hd	"B very faint"
3839	β 328	*Canis Majoris* 139	1 3	−11 7	128.4	0.3	6.3... 7.5	1875.70	Δ 4	A and B }
					349.9	17.85	... 9	1879.13	β 1	AB and C }
3840	Σ 1023	W^2 VI^h. 1824	1 11	25 11	101.8	24.67	8.0... 8.5	1831.25	Σ 2	*Yel'sh*
3841	β 574	L 13821	1 18	−11 9	306.7	1.76	8.0...12.0	1878.04	β 1	
3842	A 327	SD (5°) 1970	1 18	−5 32	332.8	4.68	9.0...13.8	1902.92	A 2	(*Bul. L. O.* No. 29)
3843	Σ 1022	*Telescopii* 45	1 22	36 45	129.0	5.81	7.0...10.2	1831.56	Σ 3	*7.0 very wh.*
3844	OΣ 165	45 *Geminorum*	1 29	16 7	130.7	3.87	5.0...10.7	1847.22	OΣ 2	
3845	Σ 1021	W^2 VI^h. 1823	1 32	38 40	12.0	4.09	8.8... 9.7	1831.56	Σ 3	8.8 *white*
3846	A 520	SD (7°) 1749	1 37	−7 26	15.6	2.84	9.0...13.2	1903.22	A 2	(*Bul. L. O.* No. 50)
3847	Σ 1020	O. Arg. N. 7584	1 45	57 42	283.9	13.33	7.8...10.0	1830.30	Σ 3	7.8 *yel'sh wh.*
3848	H 2362	DM (3°) 1560	1 50	3 33	188.3	25±	9–10...10	1830+	H	
3849	Σ 1027	W^2 VI^h. 1858	1 51	17 6	356.2	6.73	8.1... 8.2	1830.68	Σ 4	*White*
3850	H 2363	....	1 51	−27 37	319.4	10±	10 ...11	1830+	H	
3851	Σ 1029	W^1 VI^h. 1917	2 1	−4 29	23.4	2.08	7.4... 8.1	1833.67	Σ 4	*Very white*
3852	Σ 1024	DM (38°) 1699	2 3	38 19	313.4	1.46	8.3... 8.8	1831.56	Σ 3	*Yel'sh wh.*
3853	Ho 519	W^2 VI^h. 1869	2 14	25 56	124.1	19.71	7 ...13	1891.76	Ho 2	A and B }
					87.3	105.37	6.2... 7.0	1874.65	Δ 3	A and C }
3854	Σ 1028	SD (10°) 1885	2 36	−10 26	302.3	10.92	8.5...10.8	1831.16	Σ 3	8.5 *yel.*
3855	Hu 618	DM (51°) 1292	2 43	51 35	122.1	1.39	8.8...10.8	1902.99	Hu 2	(See p. 1069)
3856	Ho 518	W^2 VI^h. 1884	2 45	30 33	143.3	2.87	8 ...10	1896.19	Ho 2	(*A. N.* 3557)
3857	H 3930	....	2 48	−12 59	73.8	12±	10 ...10½	1836.1	H	"Chief of a cluster"
3858	Σ 1025	O. Arg. N. 7602	2 56	56 0	141.2	22.67	7.5... 7.8	1830.62	Σ 3	*White*
3859	Hd 98	....	3 :	−19 54:	*np*	5±	9 ...	1869.08	Hd	
3860	Σ 1030	....	3 3	−8 29	42.0	15.56	8.0... 9.2	1830.16	Σ 2	8.0 *yel'sh*
3861	Σ 1031	W^1 VII^h. 22	3 5	−13 48	251.6	3.80	8.3... 9.0	1831.16	Σ 3	A and B }
					351.8	12±	...(14)	1837.0	H	A and C }
3862	β 1009	τ *Geminorum*	3 30	30 26	178.2	1.87	5.0...11.5	1882.01	β 2	
3863	Σ 1034	W^1 VII^h. 37	3 35	−8 7	17.6	2.46	8.7... 9.2	1830.53	Σ 3	
3864	Hd 99	....	4 :	−15 48:	....	....	....	....	....	No description
3865	Hd 100	....	4 :	−19 57:	*s*	4±	8½...12	1869.	Hd	
3866	β 329	*Canis Majoris* 146	4 9	−16 2	97.6	29.52	6.4...11.7	1880.67	β 2	
3867	Hd 101	....	4 20:	−19 57:	120±	10±	9 ...11	1870	Hd	"Principal star *red*"
3868	Σ 1036 *rej.*	....	4 20:	−5 57:	....	Cl. IV	8–9... 9	....	Σ	(See p. 1069)
3869	β 1279	SD (3°) 1773	4 26	−3 54	10.4	1.02	9.0... 9.3	1899.23	β 1	
3870	A 521	SD (2°) 1962	4 38	−2 38	122.2	2.12	9.0...12.0	1903.01	A 3	(*Bul. L. O.* No. 50)
3871	Ho 30	DM (29°) 1475	4 46	29 53	125.9	5.48	9 ... 9	1886.24	Ho 2	
3872	Σ 1035	DM (22°) 1609	4 49	22 29	39.6	8.51	7.4... 7.4	1829.50	Σ 4	*Yel'sh*
3873	Σ 1032	DM (48°) 1489	4 50	48 42	100.5	2.55	7.0...10.3	1831.30	Σ 3	7.0 *white*
3874	H 3933	SD (19°) 1721	4 55	−19 34	153.1	10±	9 ...12	1836.1	H	
3875	Σ 1033	DM (52°) 1184	5 19	52 45	282.0	1.44	7.4... 8.0	1829.84	Σ 4	A and B } AB *very wh.*
					266.3	67.77	....	1783.06	♅ 1	A and C }
3876	Σ 1037	DM (27°) 1337	5 21	27 26	332.7	1.11	7.1... 7.1	1830.42	Σ 6	A and B } AB *yel'sh*
					....	15±	...11	....	OΣ	A and C }
3877	♅ N. 94	....	5 36:	22 12:	....	....	....	....	....	
3878	OΣ 168 *rej.*	L 13937	5 38	21 33	67.0	22.73	6.7...10.8	1868.13	Δ 3	A and B } 6.7 *yel.*
					115.6	51.28	...10.3	1868.13	Δ 3	A and C }
3879	A 328	SD (4°) 1852	5 45	−4 29	192.9	1.48	9.0...11.7	1902.47	A 4	(*Bul. L. O.* No. 29)
3880	OΣ 167	L 13930	7 5 46	32 21	158.9	5.21	7.2...10.3	1850.84	OΣ 5	7.2 *white*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3881	A 329	SD (3°) 1789	7^h 5^{m}48^s	− 3°56′	127°2	3′64	8.3...13.2	1902.37	A 3	(*Bul. L. O.* No. 29)
3882	Weisse 14	W^2 VII^h. 118	5 58	15 23	170±	2±	7–8... 9	....	β	
3883	H 752	....	5 59	10 2	275±	4±	11 ...13	1820+	H	
3884	Hu 221	DM (61°) 951	6 0	61 35	151.9	0.59	9.2...11.0	1900.85	Hu 2	A and B } (*A. J.* 494)
					285.5	4.56	...13	1900.85	Hu 1	A and C
3885	....	SD (7°) 1797	6 1	− 7 26	264.5	2.08	9.0... 9.2	1903.22	A 2	
3886	H 413	....	6 3	34 35	275±	3±	11 = 11	1820+	H	
3887	H 3934	O. Arg. S. 6356	6 13	−21 36	229.5	12±	8 ... 9	1835.1	H	
3888	A 330	SD (2°) 1976	6 14	− 2 49	181.0	1.34	8.4...10.2	1902.62	A 2	(*Bul. L. O.* No. 29)
3889	H 3290	....	6 18	14 46	315±	3±	11 ...12	1831+	H	
3890	OΣ 520	L 13953	6 18	28 42	343.6	0.55	7.0... 9.0	1850.78	OΣ 2	
3891	Ho 31	DM (30°) 1454	6 20	30 9	7.4	10.91	9.0... 9.5	1886.25	Ho 1	(*A. N.* 2778)
3892	β 196	W^1 VII^h. 142	6 27	− 5 14	186.7	3.52	10.0...11.0	1876.83	Δ 1	(See p. 1069)
3893	Ħ VI. 74	51 *Geminorum*	6 29	16 22	45±	90±	....	1782.09	Ħ	A and B }
					45±	120±	....	1782.09	Ħ	A and C
3894	Σ 1043	DM (−0°) 1642	6 30	− 0 29	248.3	2.39	8.8... 8.8	1831.87	Σ 3	*White*
3895	A 331	SD (2°) 1982	6 32	− 2 45	125.2	4.15	8.2...12.3	1902.44	A 3	(*Bul. L. O.* No. 29)
3896	H 2364	....	6 38	4 50	243±	8±	11 ...12	1830+	H	
3897	Ho 32	DM (30°) 1456	6 41	30 17	162.2	4.39	9 ... 9	1886.25	Ho 1	(See p. 1069) (*A. N.* 2778)
3898	A 522	SD (7°) 1802	6 41	− 8 1	352.7	1.27	7.9...12.0	1903.84	A 3	(*Bul. L. O.* No. 50)
3899	Σ 1045	W^1 VII^h. 155	6 42	− 2 58	226.9	5.87	7.8... 9.0	1831.21	Σ 3	*White*: *ash*
3900	H 2365	....	6 43	3 40	139.1	18±	9–10..11	1830+	H	
3901	Σ 1041 *rej.*	....	6 44:	17 58:	....	Cl. IV	8 ...11	....	Σ	
3902	β 197	L 14026	7 0	− 6 57	147.0	2.28	7.7...10.2	1876.86	Δ 2	
3903	H 48	....	7 18:	5 23:	260±	40±	10 ...11	1820+	H	
3904	Σ 1040	DM (48°) 1493	7 20	48 25	258.8	7.21	8.0...10.0	1830.25	Σ 3	8.0 *white*
3905	Ho 343	52 *Geminorum*	7 22	25 6	257.0	22.36	6 ...12	1890.22	Ho 2	
3906	Σ 1042	DM (42°) 1685	7 25	42 21	40.5	11.95	8.5...10.3	1830.22	Σ 3	8.5 *yel'sh*
3907	Σ 1044	DM (47°) 1420	7 27	47 51	167.2	12.37	8.5... 8.7	1828.73	Σ 2	
3908	Σ 1039	DM (63°) 700	7 27	63 44	208.9	2.87	8.8... 9.5	1830.59	Σ 3	
3909	Σ 1047	DM (16°) 1422	7 28	15 58	19.4	20.66	7.3... 9.8	1828.53	Σ 3	7.0 *white*
3910	Hn 85	SD (19°) 1753	7 39	−19 41	197.8	2.51	10.2...11.3	1888.50	Com 3	
3911	Hu 455	SD (14°) 1775	7 43	−14 54	203.0	4.08	8.5...11.0	1902.26	Hu 2	(*Bul. L. O.* No. 21)
3912	β 1023	DM (26°) 1498	7 45	26 5	294.0	0.25	8.4... 8.5	1891.23	β 3	
3913	Σ 1046	DM (14°) 1606	7 50	14 46	231.0	12.07	8.6...11.7	1829.46	Σ 4	
3914	Σ 1038	DM (68°) 472	7 54	68 45	95.7	11.29	7.3... 9.7	1831.34	Σ 3	7.3 *yel'sh*
3915	Σ 1048	DM (4°) 1631	7 54	4 25	351.5	5.76	8.3...10.2	1831.86	Σ 3	8.3 *white*
3916	H 755	....	7 54	−11 17	70±	5±	10 ...14	1820+	H	
3917	A 523	SD (3°) 1803	7 57	− 3 31	322.2	1.04	11.0...12.8	1903.04	A 2	B and C } (*Bul. L. O.* No. 50)
					228.8	98.29	8.5...	1903.03	A 1	A and BC
3918	Σ 1049	W^1 VII^h. 197	7 57	− 8 43	34.9	3.63	8.0... 9.8	1830.53	Σ 3	8.3 *yel'sh wh.*
3919	Lewis 8	....	8 :	26 5:	226.5	0.72	9.5...10.0	1900.24	L 1	
3920	β 757	*Argus* 101	8 10	−36 21	65.8	2.25	6.0... 7.5	1881.18	Pt 1	
3921	A 524	SD (3°) 1804	8 14	− 3 42	147.7	2.87	6.7...11.7	1903.04	A 3	(*Bul. L. O.* No. 50)
3922	H 754	SD (13°) 1887	8 19	−13 49	340±	9±	10 ...11	1820+	H	
3923	H 753	W^1 VII^h. 199	8 23	11 13	5±	15±	9 ...11	1820+	H	
3924	H 3940	....	8 35	−30 46	95.4	12±	9 ...12	1835.1	H	
3925	H 3938	L 14105	8 43	−22 42	252.6	18±	7½... 8½	1837.1	H	
3926	A 672	A. G. Leiden 3048	8 44	30 55	263.6	1.36	8.6...13.0	1904.45	A 2	(*Bul. L. O.* No. 61)
3927	Σ 1052	SD (10°) 1934	8 52	−10 4	20.3	19.98	8.5... 8.7	1831.10	Σ 3	*White*
3928	H 3939	....	8 52	−17 46	246±	8±	10 ...10	1834+	H	
3929	Ho 520	Cord. G. C. 9169	8 55	−30 47	270±	5±	9 ...11	1894.16	Ho	(*A. N.* 3557)
3930	A 525	SD (2°) 2008	8 59	− 2 37	260.0	1.96	8.0...12.2	1903.07	A 3	A and B } (*Bul. L. O.* No. 50)
					36.0	12.14	...11.7	1903.07	A 3	A and C
3931	β 1268	24 *Monocerotis*	9 11	0 3	313.2	3.81	6.0...11.8	1892.21	β 4	
3932	Hn 86	....	7 9 20	−25 46	281.9	6.17	10.2...11.1	1888.86	Com 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3933	Pritchett	DM (14°) 1616	7^h 9^m 21^s	14°50′	222°.1	9″.12	....	1880.24	Pt 1	
3934	β 575	*Canis Majoris* 156	9 21	−15 16	199.2	0.69	8.0... 8.0	1878.18	β 2	A and B } (AC= Σ 1057)
					1.9	15.28	7.8... 9.8	1831.20	Σ 3	AB and C } 7.8 *yel'sh wh.*
3935	Σ 1056	W^1 VII^h. 243	9 30	− 1 39	297.9	3.97	7.8... 8.8	1830.53	Σ 3	*Yel'sh: bluish*
3936	Σ 1053	DM (24°) 1592	9 30	24 45	309.7	13.73	7.5...10.2	1831.57	Σ 3	7.5 *very wh.*
3937	Ho 344	O. Arg. S. 6460	9 38	−20 49	359.5	0.86	8.8... 9.1	1890.23	Ho 2	
3938	Howe 17	W^1 VII^h. 245	9 39	− 0 25	314.7	2.49	8.0... 8.0	1879.21	Cin 1	
3939	Ku 28	DM (5°) 1610	9 47	5 48	321.8	1.39	9.0...10.1	1901.12	Ku 2	Kustner (3821)
3940	H 49	....	9 54:	− 5 27:	45±	5±	10 ...11	1820+	H	
3941	H 2368	....	9 54	− 7 45	262.1	4±	11 ...13	1830+	H	
3942	H 415	....	9 59	33 40	285±	12±	10 ...11	1820+	H	A and B }
					295±	25±	...12	1820+	H	A and C }
3943	Σ 1050	O. Arg. N. 7737	10 6	55 8	19.2	19.37	7.3... 8.0	1829.26	Σ 3	*White*
3944	Σ 1054	DM (35°) 1588	10 10	35 10	291.5	18.53	7.3... 8.5	1830.28	Σ 3	*Yel'sh wh.: bluish wh.*
3945	H 2366	....	10 15	56 18	336.9	15±	10–11=10–11	1830+	H	
3946	Σ 1058	DM (9°) 1595	10 16	9 34	282.7	23.78	8.2...11.7	1832.19	Σ 2	8.2 *yel.*
3947	Σ 1060	SD (9°) 1947	10 22	− 9 3	22.7	6.75	8.2... 9.2	1831.20	Σ 3	8.2 *wh.*
3948	Σ 1055	47 *Camelopardali*	10 46	60 7	344.1	2.44	6.0...10.5	1830.65	Σ 3	6.0 *white*
3949	OΣ 170	P VII^h. 52	11 5	9 31	133.0	0.96	7.5... 7.5	1844.79	OΣ 2	
3950	Hu 619	DM (48°) 1513	11 12	48 33	338.7	0.57	9.0...10.5	1902.90	Hu 3	A and B } AC= H 2367
					269.0	22±	9–10...11	1830+	H	AB and C }
3951	Σ 1061	λ *Geminorum*	11 12	16 45	30.9	9.56	3.2...10.3	1829.86	Σ 3	3.2 *greenish blue*
3952	H 2370	....	11 16	−29 16	34.2	20±	9 ... 9+	1830+	H	
3953	Σ 1064	*Canis Majoris* 163	11 30	−11 49	237.7	15.20	7.0... 9.7	1831.20	Σ 3	7.6 *yel'sh wh.*
3954	H 3945	L 14200	11 33	−23 6	67.6	28.21	7 ... 8	1837.2	H	*Orange: pale blue*
3955	Hu 113	SD (13°) 1919	11 36	−13 46	53.9	1.75	8.2...12.7	1900.13	Hu 3	(*A. J.* 485)
3956	H 2369	....	11 36	1 54	54.8	12±	11 ...13	1830+	H	
3957	Weisse 15	W^2 VII^h. 316	11 43	16 48	....	....	....	....	....	
3958	Σ 1063 *rej.*	DM (4°) 1653	11 44	− 4 34	290.0	25±	10 ...	1830+	H	A and BC } From H (V)
					202.4	2½±	12 = 12	1830+	H	B and C } 8.9 m. in DM
3959	Hd 102	DM (28°) 1363	11 46	28 29	340±	15±	9.1...10.5	1868.10	Hd	
3960	H 416	DM (22°) 1639	11 49	22 56	95±	4±	10 ...10	1820+	H	
3961	H 2371	W^1 VII^h. 318	12 1	1 46	234.3	18±	9 ...14	1830+	H	
3962	Σ 1051	DM (73°) 375	12 7	73 19	268.4	1.22	6.5... 8.6	1831.86	Σ 4	A and B } AC *wh.*
					81.5	31.18	... 6.7	1831.86	Σ 4	A and C }
3963	....	O. Arg. S. 6554	12 19	−30 37	181.3	37.50	6½... 8	1838.2	H	
3964	A 526	SD (3°) 1838	12 22	− 3 24	139.6	0.54	9.0... 9.1	1903.04	A 3	(*Bul. L. O.* No. 50)
3965	Σ 1069	SD (13°) 1926	12 32	−13 29	193.3	25.36	8.3... 8.3	1831.85	Σ 3	*White*
3966	Σ 1067	DM (3°) 1638	12 34	3 5	265.5	25.64	7.7... 8.7	1831.20	Σ 2	*White*
3967	H 2372	DM (20°) 1768	12 43	20 41	0±	18±	7 ...14	1830+	H	
3968	Ho 33	W^2 VII^h. 338	12 51	22 23	*np*	3±	9 ...12	1883.21	Ho	
3969	See 75	O. Arg. S. 6566	12 52	−25 46	7.2	12.36	6.5...13.7	1897.84	See 1	
3970	Σ 1066	δ *Geminorum*	12 57	22 12	196.9	7.14	3.2... 8.2	1829.72	Σ 4	*Yel'sh: purplish*
3971	S 546	DM (31°) 1540	13 4	31 42	359.4	79.60	8½...10	1825.12	S 2	A and B }
					69.2	142.64	...11	1825.11	S 1	A and C }
3972	Σ 1068	DM (13°) 1634	13 4	13 36	354.3	3.89	8.3... 9.0	1830.22	Σ 3	
3973	Σ 1062	19 *Lyncis*	13 4	55 30	313.8	14.72	5.3... 6.6	1829.51	Σ 5	*Greenish wh.: bluish wh.*
3974	Σ 1065	20 *Lyncis*	13 5	50 22	253.4	15.03	6.6... 6.8	1830.55	Σ 5	*Very white*
3975	β 330	DM (−0°) 1680	13 27	− 0 41	218.0	1.28	8.7...10.5	1876.87	Δ 2	
3976	Σ 1059 *rej.*	O. Arg. S. 7777	13 28	69 43	....	Cl. IV	8 ... 9–10	....	Σ	From *Cat. Nov.*
3977	Σ 1070	DM (34°) 1583	13 31	34 15	319.2	1.87	8.2... 9.2	1830.90	Σ 3	*White*
3978	Hd 103	....	13 35:	−20 12:	30±	11±	9 ...10	1870	Hd	
3979	Σ 1072 *rej.*	SD (4°) 1904	13 41	− 4 14	107.4	22.19	9 ...10	1898.20	Doo 3	
3980	H 3948	30 *Canis Majoris*	13 44	−24 24	85.8	8±	5½...11	1835.1	H	A and B }
					73.3	15±	...12	1835.1	H	A and C }
3981	H 3949	B. A. C. 2420	7 13 54	−30 35	79.9	2±	8–9... 8–9	1836.2	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
3982	**Skinner 5**	**SD** (16°) 1895	$7^h 13^m 55^s$	−16°34′	285°.2	2″.60	9.2... 9.2	1904.00	β 2	
3983	**A. G. 138**	**A. G. Alb.** 2754	13 55	1 58	320.6	24.33	9.0... 9.5	1903.20	Cg 2	Cogs *A. J.* 554
3984	**H 417**	**DM** (34°) 1585	13 59	34 54	65±	12±	9 ...13	1820+	H	
3985	**H 2375**	....	14 1	−28 11	169.0	4±	10 ...11	1830+	H	"Neat"
3986	**β 901**	65 *Aurigae*	14 1	36 59	7.9	10.56	5.8...12.3	1879.31	β 3	A and B
					26.8	36.05	...12.7	1879.51	β 2	A and C
3987	**H 3950**	**L** 14292	14 12	−21 49	168.3	3±	9½ = 9½	1837.1	H	
3988	**H 50**	....	14 12:	− 5 30:	230±	12±	....	1820+	H	
3989	**Ho 242**	**W^1 VII^h.** 393	14 20	− 4 46	64.3	4.21	7.0...12.0	1887.14	Ho 2	
3990	**Σ 1074**	**P VIII^h.** 53	14 21	0 38	115.4	0.48	7.8... 8.2	1831.54	Σ 3	A and B AB *wh.*
					100.0	12.75	...13.5	1892.19	β 2	AB and C
					9.9	14.54	...13	1878.21	β 1	AB and D
					278.0	53.62	...10.8	1892.18	β 3	AB and E
3991	**Σ 1071**	**DM** (45°) 1424	14 22	45 14	357.3	15.52	8.2...10.2	1829.73	Σ 2	
3992	**Σ 1073**	**DM** (10°) 1505	14 24	10 25	64.6	8.68	8.0...10.0	1830.19	Σ 2	8.0 *white*
3993	**Σ 1076**	**DM** (4°) 1667	14 42	4 17	106.7	2.71	8.7... 8.7	1828.85	Σ 3	*White*
3994	**Σ 1077**	*Schj.* 2644	14 52	− 0 27	322.2	5.40	9.3... 9.3	1828.19	Σ 3	*White*
3994½	....	**DM** (20°) 1775	14 52	20 40	205.1	17.75	6.0...13	1901.08	β 2	A and B
					245.2	7.73	....	1900.78	β 1	B and C
3995	**H 757**	**DM** (34°) 1589	14 55	34 27	120±	3±	11 ...11+	1820+	H	
3996	**Hn 87**	**SD** (21°) 1880	14 58	−21 39	273.5	4.40	9.1... 9.4	1889.07	Com 3	
3997	**A. G. 139**	**DM** (22°) 1655	15 0	22 52	....	....	8.2...	....	....	
3998	**β 331**	**Cord. DM** (24°) 5211	15 2	−24 12	115.9	2.04	8.2... 9.0	1877.13	Cin 2	
3999	**Ho 243**	**DM** (29°) 1517	15 4	29 29	166.1	1.79	9.3... 9.5	1885.25	Ho 2	
4000	**Hn 88**	**O. Arg. S.** 6629	15 5	−22 40	270±	4±	9½...11	1881+	Hn	
4001	**OΣ (App) 84**	**P VII^h.** 62, 61	15 21	56 48	326.0	114.19	7.0... 7.3	1875.18	Δ 3	
4002	**H 2374**	....	15 25	51 4	131.0	15±	10 ...14	1830+	H	"Triple"
					76.8	20±	...15	1830+	H	
4003	**H 2373**	....	15 27	56 21	268.8	9±	9–10...12	1830+	H	
4004	**β 1024**	**DM** (29°) 1520	15 33	29 32	103.2	1.40	9.0...11.5	1892.26	β 1	
4005	**Ho 345**	**W^2 VII^h.** 415	15 33	22 18	282.2	0.90	9.0...10.0	1890.12	Ho 1	AB (*A. N.* 3233) (See p. 1069)
					229.5	23.87	...13	1890.12	Ho 1	AC
4006	**H 418**	....	15 35	25 27	290±	10±	10 ...11	1820+	H	"Unless R. A. 5 m. less."
4007	**Σ 1080**	**DM** (4°) 1676	15 55	4 43	220.8	22.35	9.0... 9.2	1829.17	Σ 2	
4008	**Lv 4**	....	16 :	−19 30	129.1	1.96	9.0... 9.4	1889.11	Lv 1	
4009	**See 76**	**Lac.** 2747	16 3	−26 44	216.4	7.95	6 ...15	1897.05	See 2	
4010	**H 419**	**W^1 VII^h.** 444	16 8	− 3 48	45±	8–10	9 ...10	1820+	H	(See p. 1069)
4011	....	**DM** (38°) 1749	16 22	38 0	64.6	1.76	9.5... 9.5	1880.05	β 2	
4012	**Σ 1075**	**DM** (63°) 710	16 37	63 14	342.2	7.26	8.0...10.0	1830.35	Σ 3	8.0 *yel.*
4013	**Σ 1079**	**DM** (38°) 1752	16 40	38 3	330.7	5.91	8.5...10.0	1830.90	Σ 3	A and B
					252.2	220±	....	1880.05	β 1	A and C
4014	**H 758**	**SD** (15°) 1786	16 57	−15 20	240±	8±	9 ...14	1820+	H	8.3 m. in SD
4015	**Ku 29**	**DM** (40°) 1858	16 59	40 2	146.3	3.43	9.5...10.0	1901.14	Ku 2	Kustner (3821)
4016	**Σ 1081**	**DM** (21°) 1589	17 1	21 41	216.1	1.33	7.8... 8.5	1828.93	Σ 3	*Very wh.*
4017	**H 3291**	**DM** (14°) 1652	17 6	14 22	118.2	4±	10 ...11	1831+	H	A and B
					297.5	12±	...13	1831+	H	A and C
4018	**H 5451**	**Cord. DM** (23°) 5345	17 9	−23 59	12.6	3±	10 = 10	1835.1	H	About 9½ m. (1876)
4019	**Σ 1082**	**DM** (10°) 1521	17 11	10 56	326.5	19.85	8.0... 8.7	1830.22	Σ 2	A and B AB *wh.*
					18.4	....	...13.0	1880.22	β 1	A and C
					100.0	....	....	1880.22	β 1	B and C
4020	**H 420**	**DM** (26°) 1546	17 12	26 55	20±	5±	11 ...12	1820+	H	"In the same field"
4021	**H 422**	**DM** (26°) 1547	17 22	26 51	205±	12±	9 ...10	1820+	H	
4022	**A 527**	**SD** (9°) 2014	17 23	− 9 48	85.2	2.76	8.7... 9.5	1903.27	A 2	(*Bul. L. O.* No. 50)
4023	**A 332**	**SD** (5°) 2092	17 26	− 5 24	105.4	0.39	9.0... 9.0	1902.57	A 2	(*Bul. L. O.* No. 39)
4024	**H 2378**	**DM** (0°) 1335	17 27	0 37	123.3	15±	10 ...10	1830+	H	
4025	**Ho —**	**SD** (20°) 1892	7 17 27	−20 58	*f*	0.6±	8.5...10	1890.07	Ho	(*A. J.* 215)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4026	**Ho 521**	SD (20°) 1893	7^h 17^m 30^s	−20° 56	40° ±	1′.5	9.5 ... 9.5	1890.07	Ho 1	
4027	**H 52**	....	17 34:	− 6 36:	175.6	6±	10 ...13	1820+	H 1	A and B
					150±	10±	...11	1820+	H 1	A and C
4028	**H 53**	....	17 40:	− 6 40:	130±	15±	....	1820+	H 1	
4029	**H 51**	....	17 41:	− 1 53:	235±	10±	10 ...13	1820+	H 1	
4030	**A 333**	SD (5°) 2095	17 46	− 5 14	331.4	0.77	8.7...11.0	1902.57	A 2	(*Bul. L. O.* No. 29)
4031	**H 2381**	....	17 56	−29 13	104.3	10±	11 ...12	1830+	H 1	
4032	**H 2379**	....	17 57	18 56	347.8	7±	11 = 11	1830+	H 1	"Neat"
4033	**See 78**	Cord. G. C. 9444	18 2	−25 32	288.4	2.34	6 ...12.8	1897.84	See 1	A and B
					13.6	2.98	...12	1897.84	See 1	A and C
					29.9	6.86	...12.4	1897.84	See 1	A and D
4034	**Σ 1084**	L 14403	18 3	− 3 45	285.5	13.34	7.2... 9.7	1830.20	Σ 2	7.2 *yel.*
4035	**Hu 706**	DM (20°) 1797	18 4	20 10	54.7	0.66	9.5... 9.5	1902.26	Hu 1	
4036	**H 2377**	DM (59°) 1081	18 8	59 4	267.0	8±	9–10..11	1830+	H 1	
4037	**H 2376**	....	18 24	72 16	268.3	15±	11 ...12	1830+	H 1	
4038	**Σ 1083**	DM (20°) 1798	18 30	20 44	42.6	6.20	6.7... 7.8	1828.61	Σ 3	*Yel'sh wh.: bluish wh.*
4039	**Σ 1085**	SD (4°) 1933	18 31	− 4 22	278.3	3.19	8.1... 9.9	1830.71	Σ 4	8.1 *yel'sh*
4040	**H 3292**	DM (15°) 1566	18 40	15 5	164.0	13±	9 ...12	1831+	H 1	
4041	**A. G. 140**	DM (22°) 1678	18 49	22 19	175.3	1.57	8.7...10.3	1902.50	Cg 3	
4042	**Ho 346**	W^2 VII^h. 503	18 56	18 23	58.1	12.67	7.0...11.8	1891.25	Ho 3	(*A. N.* 3233) (See p. 1070)
4043	**OΣ 171**	L 14391	18 58	31 51	130.0	0.97	7.1... 9.9	1851.25	OΣ 5	
4044	**Schj. 5**	W^1 VII^h. 546	19 15	− 5 30	....	42±	8.5... 9.3	....	Schj	
4045	**Σ 1088**	W^1 VII^h. 531	19 15	14 20	195.1	11.11	7.0... 9.0	1829.52	Σ 3	A and B
4046	**Σ 1087**	....	....	....	41.9	19.88	8.2...11.5	1829.55	Σ 3	A^1 and B^1 *White*
					238.1	112.27	....	1829.53	Σ 3	A and A^1
4047	**Σ 1089**	W^1 VII^h. 519	19 23	15 5	8.0	7.20	8.5... 8.5	1829.53	Σ 3	*White*
4048	**H 2383**	....	19 28	− 6 51	319.0	9±	10–11=10–11	1830+	H 1	"A third near"
4049	**Σ 1090**	DM (18°) 1616	19 28	18 45	97.4	61.11	7.0... 8.0	1830.22	Σ 2	A and B AB
					318.5	19.70	... 9.5	1830.22	Σ 2	B and C *very wh.*
4050	**H 2380**	....	19 29	52 27	276.0	10±	11–12=11–12	1830+	H 1	
4051	**H 3964**	....	19 51	−20 47	150±	4±	10 ...10	1837.1	H 1	
4052	**β 758**	*Lyncis* 51	19 55	48 26	94.2	16.92	6.2...10.2	1883.75	En 6	
4053	**β 199**	L 14480	19 57	−20 56	20.3	1.90	7.2... 8.2	1877.15	Cin 2	A and B
					120.2	6.10	...13	1898.15	Ho 1	AB and C
4054	**Σ 1086**	....	20 4	43 0	102.3	12.16	7.5... 9.0	1830.72	Σ 2	7.5 *very yel.*
4055	**Hu 49**	SD (12°) 1962	20 20	−12 4	203.0	0.50	9.0...10.5	1900.05	Hu 1	(*A. J.* 480)
4056	**S 548**	DM (22°) 1687	20 31	22 23	275.9	35.62	7 ...10	1825.09	S 2	
4057	**A. G. 141**	A. G. Lund 3858	20 32	36 22	33.5	4.49	9.2... 9.4	1902.83	β 2	
4058	**Σ 1094**	W^2 VII^h. 551	20 36	15 33	96.3	2.41	7.7... 8.7	1829.48	Σ 4	*White*
4059	**Sh 368**	63 *Geminorum*	20 37	21 42	326.2	....	....	1822.14	Sh 1	
4060	**β 198**	L 14503	20 38	−20 43	211.9	5.72	8.0... 9.5	1870.12	Hd 1	
4061	**O. Stone 17**	L 14506	20 46	−18 8	76.8	4.83	7.5... 9.5	1877.11	Cin 2	
4062	**Σ 1091**	DM (50°) 1435	20 48	50 13	335.9	28.59	8.2... 8.7	1829.28	Σ 2	
4063	**H 2382**	....	20 51	52 43	241.9	12±	10 ...11	1830+	H 1	
4064	**Σ 1095**	W^1 VII^h. 580	20 51	9 0	78.0	9.81	8.3... 8.8	1831.21	Σ 3	*Very white*
4065	**Σ 1093**	....	21 10	50 14	96.4	0.58	8.2... 8.2	1831.94	Σ 3	*White*
4066	**Hu 621**	DM (35°) 1622	21 10	35 35	336.6	3.62	8.6...13.0	1902.99	Hu 2	
4067	**A 528**	SD (2°) 2117	21 17	− 3 0	98.7	3.43	8.5...13.2	1903.07	A 3	(*Bul. L. O.* No. 50)
4068	**A 529**	SD (4°) 1955	21 20	− 4 6	208.6	3.45	8.5...14.2	1903.09	A 2	(*Bul. L. O.* No. 50)
4069	**Σ 1092**	DM (49°) 1632	21 20	49 29	71.1	2.61	8.0... 9.8	1831.93	Σ 3	8.0 *white*
4070	**OΣ (App) 85**	L 14481	21 23	24 54	26.8	56.26	7.3... 8.2	1875.05	Δ 3	
4071	**See 79**	Cord. DM (27°) 4070	21 28	−27 55	296.7	0.36	7.9... 8.3	1897.85	See 1	
4072	**H 2385**	....	21 34	5 2	176.2	9±	11 ...11+	1830+	H 1	
4073	**OΣ 172** *rej.*	L 14465	21 34	35 3	....	12.	7 ...11	....	OΣ	
4074	**β 21**	η *Canis Minoris*	21 35	7 11	27.4	4.09	5.5...11.3	1875.39	Δ 3	
4075	**Lamont 4**	γ *Canis Minoris*	7 21 38	9 10	247.3	34.62	....	1836.19	Lam 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4076	**β 578**	L 14545	$7^h\ 21^m\ 47^s$	−17°37′	53°.6	2″.44	6.5...11.8	1878.20	β 1	
4077	**H 759**	....	21 52	−11 15	330±	6±	10 ...14	1820+	H 1	
4078	**Hu 50**	SD (12°) 1979	21 57	−12 10	94.4	0.51	8.5... 9.2	1900.09	Hu 2	(*A. J.* 480)
4079	**H 2386**	....	22 4	4 1	245.4	3±	10 ...10–11	1830+	H 1	"Neat"
4080	**β 332**	P VII^h. 116	22 14	−11 19	166.3	0.80	6.2... 8.2	1875.52	Δ 3	A and B } A *yel.* C *bluish* (AC= Σ 1097)
					312.1	20.20	... 8.7	1832.15	Σ 2	AB and C
					157.2	23.41	... 9.8	1878.12	β 2	AB and D
					41.4	31.06	...12.5	1878.16	β 1	AB and E
4081	**S 550**	L 14559	22 15	−18 15	116.2	40.04	7½... 8	1825.03	S 2	
4082	**Arg. 17**	O. Arg. S. 6832	22 15	−20 33	220±	15±	9 ...10	1875.	β	
4083	**β 1194**	65 *Geminorum*	22 21	28 10	289.5	13.91	5.5...14	1890.88	β 3	
4084	**OΣ (App) 86**	DM (14°) 1677	22 29	14 36	349.6	55.96	7.2... 8.2	1875.60	Δ 3	
4085	**H 2387**	....	22 29	0 28	196.0	15±	10–11...11	1830+	H 1	H (VII) 200°±: 25″±
4086	**H 2384**	....	22 37	54 10	203.2	10±	10 ...12	1830+	H 1	
4087	**H 2389**	....	22 45	− 8 31	302.0	3½±	10–11...13	1830+	H 1	
4088	**Σ 1099**	DM (11°) 1594	22 46	11 47	343.4	4.01	8.4... 9.0	1832.22	Σ 4	*Very wh.*
4089	**Σ 1096** *rej.*	DM (50°) 1441	22 47	50 24	....	Cl. IV	8 ... 9–10	....	Σ	From *Cat. Nov.*
4090	**Ħ IV. 95**	....	22 48:	− 3 38	....	20.45	....	1783.15	Ħ 1	R. A. uncertain
4091	**A 3**	DM (28°) 1403	22 50	28 8	255.2	2.14	8.7...12.7	1898.91	A 2	
4092	**H 2388**	....	22 54	0 28	145.8	12±	11 ...12	1830+	H 1	
4093	**H 2391**	Cord. G. C. 9585	23 8	−26 36	292.2	15±	8–9...14	1830+	H 1	"A *very red.*" 7.1 m. in Cord.
4094	**Σ 1101**	W^1 VII^h. 676	23 11	−13 34	89.3	6.22	9.0... 9.0	1832.45	Σ 4	
4095	**H 3293**	....	23 27	35 43	305.2	9±	11 = 11	1831+	H 1	
4096	**H 424**	....	23 36	24 56	330±	9±	11 ...14	1820+	H 1	} "Triple"
					130±	12±	...12	1820+	H 1	
4097	**Σ 1102**	W^1 VII^h. 673	23 41	14 7	49.0	7.37	7.7... 9.2	1829.83	Σ 3	7.7 *white*
4098	**Σ 1104**	L 14619	23 55	−14 44	292.4	2.35	6.7... 8.3	1831.88	Σ 3	A and B } AB *wh.*
					190.0	20.66	...11.5	1882.21	En 3	A and C
					358.6	33.6	...12	1882.20	En 1	A and D
4099	**Ho 34**	DM (21°) 1620	24 8	21 20	14.1	1.96	9.2... 9.5	1889.14	Ho 2	
4100	**Σ 1103**	L 14601	24 11	5 30	244.5	4.31	7.0... 8.5	1832.20	Σ 3	*Very wh.: ash*
4101	**Σ 1105** *rej.*	....	24 12:	8 50:	....	Cl. III	11 ...11	....	Σ	"Lucida sequitur"
4102	**A 530**	SD (7°) 2004	24 20	− 7 30	352.5	0.58	10.0...10.0	1903.86	A 2	(*Bul. L. O.* No. 50)
4103	**Σ 1098**	DM (59°) 1091	24 27	59 49	282.3	26.79	9.0... 9.0	1830.29	Σ 2	*White*
4104	**Σ 1106**	DM (16°) 1497	24 29	16 34	211.2	10.56	8.7... 8.7	1828.87	Σ 3	*White*
4105	**H 2390**	....	24 52	52 35	328.0	8±	11–12...14	1830+	H 1	
4106	**H 760**	DM (−1°) 1743	25 11	− 0 52	360±	30±	6 ...20	1820+	H 1	
4107	**H 2393**	....	25 21	−28 1	125.1	9±	10 ...11	1830+	H 1	"Neat"
4108	**β 22**	W^2 VII^h. 689	25 30	33 7	149.5	6.48	8.0...11.0	1875.32	Δ 4	
4109	**Σ 1108**	W^2 VII^h. 704	25 39	23 9	179.1	11.54	6.7... 8.5	1827.27	Σ 2	*Yel'sh wh.: bluish*
4110	**H 54**	SD (7°) 2017	25 43	− 7 53	20±	20±	9 ...12	1820+	H 1	8.2 m. in SD
4111	**Σ 1109**	L 14670	25 47	− 0 16	15.1	3.37	8.8... 8.8	1831.87	Σ 3	*White*
4112	**See 80**	Lac. 2833	25 56	−27 51	86.1	0.25	7.9... 8.1	1897.83	See 1	
4113	**Σ 1111**	W^1 VII^h. 767	26 0	− 8 27	219.6	19.76	8.2... 8.7	1830.71	Σ 2	*Yel'sh: wh.*
4114	**H 55**	W^1 VII^h. 756	26 4	10 41	100±	12±	9 ...12	1820+	H 1	A and B }
					120±	6–8	...15	1820+	H 1	A and C
4115	**H 2394**	....	26 6	5 27	254.1	10±	11 ...11+	1830+	H 1	
4116	**H 3294**	DM (35°) 1643	26 9	35 54	178.5	2±	10 ...11	1831+	H 1	
4117	**Σ 1100** *rej.*	DM (78°) 259	26 14:	78 8	....	Cl. III	8–9...10	....	Σ	
4118	**Σ 1112** *rej.*	*Monocerotis* 165	26 21	− 8 37	117.0	23±	8 ...12	1830+	H 1	
4119	**H 3973**	SD (20°) 1999	26 37	−20 40	36.3	8±	9 ...10	1837.10	H 1	
4120	**β 579**	W^2 VII^h. 726	26 40	33 23	219.1	0.84	7.2...11.5	1878.24	β 1	A and B }
					233.6	18.23	...12.0	1869.76	Δ 1	A and C
					347.2	43.09	... 9.0	1867.90	Δ 3	A and D
4121	**H 2392**	....	26 56	71 56	167.3	20±	9–10...13	1830+	H 1	"In a loosely scattered cluster"
4122	**Σ 1110**	α *Geminorum* (Castor)	7 26 57	32 9	262.5	4.40	2.7... 3.7	1826.22	Σ 5	A and B } AB *greenish*
					162.5	72.54	... 9.5	1835.24	Σ 7	A and C

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4123	Σ 1115	W^1 VII^h. 796	7^h 26^m 59^s	−12°37′	140°2	12′38	9.0… 9.0	1830.71	Σ 2	
4124	Hu 456	SD (17°) 2021	27 2	−17 15	224.6	3.55	9.0…11.8	1902.26	Hu 2	(*Bul. L. O.* No. 21)
4125	Σ 1114	DM (9°) 1698	27 8	9 33	53.6	6.52	8.5… 9.0	1830.88	Σ 3	*White*
4126	Hu 707	DM (21°) 1638	27 17	21 53	19.6	2.46	8.5…12.8	1902.26	Hu 1	
4127	Ma 2	….	27 18	43 18	116.5	3.89	9 … 9	1843.26	Ma 1	
4128	*Δ* 13	SD (12°) 2019	27 20	−12 34	209.0	2.90	9.6…13.7	1902.05	β 2	A and B
					288.4	11.44	10 …10.5	1867.10	*Δ* 2	A and C
4129	OΣ 174	L 14678	27 30	43 18	84.3	1.96	6.5… 8.1	1851.43	OΣ 7	*White: blue*
4130	OΣ 175	B. A. C. 2489	27 31	31 13	333.8	0.46	6.0… 6.6	1847.60	OΣ 12	A *yel.*
4131	H 3978	….	27 36	−27 55	92±	10±	9 …11	1837.1	H 1	
4132	H 2396	DM (20°) 1842	27 40	20 26	294.7	12±	10 …11	1830+	H 1	
4133	H 425	DM (24°) 1705	27 43	24 32	180±	100±	8 …	1820+	H 1	A and BC (= Σ 1113 *rej.*)
					40±	3±	12 …12	1820+	H 1	B and C
4134	H 2398	….	27 44	−27 24	34.6	12±	11 …12	1830+	H 1	
4135	Σ 1116	DM (12°) 1596	27 51	12 34	111.0	1.79	7.0… 7.7	1828.95	Σ 3	*White*
4136	Hu 622	DM (50°) 1450	27 59	50 52	35.3	3.20	9.0… 9.8	1902.99	Hu 2	
4137	Ku 30	DM (34°) 1639	28 10	34 35	110.7	3.39	9.2… 9.6	1901.14	Ku 1	Kustner (3821)
4138	H 2395	DM (52°) 1228	28 18	52 50	213.8	15±	9 …11–12	1830+	H 1	
4139	H 56	SD (2°) 2181	28 19	− 2 57	315±	4±	11 = 11	1820+	H 1	
4140	H 761	….	28 20	− 1 47	273±	4±	11 …12	1820+	H 1	
4141	H 57	….	28 27:	− 2 53:	….	8±	13 = 13	1820+	H 1	
4142	Σ 1117	DM (35°) 1657	28 49	35 39	227.5	11.38	8.5…10.7	1828.78	Σ 2	8.5 *white*
4143	Howe 18	O. Arg. S. 7035	28 56	−23 27	203.4	1.86	8.0… 9.0	1877.1	Cin 2	
4144	A 531	SD (5°) 2173	28 59	− 5 10	46.0	0.38	8.6… 9.0	1903.21	A 2	(*Bul. L. O.* No. 50)
4145	H 3296	….	29 7	2 30	224.0	12±	9–10…13	1831+	H 1	
4146	H 2397	….	29 11	54 45	260.3	3±	10–11…12	1830+	H 1	"Ill defined"
4147	S 552	*n*^{1}, *n*^{2} *Puppis*	29 15	−23 13	284.9	9.01	7 … 7¼	1825.01	S 3	
4148	Σ 1118 *rej.*	DM (39°) 1978	29 18	39 8	….	Cl. IV	7–8…10	….	Σ	
4149	Σ 1107	O. Arg. N. 8052	29 25	76 5	200.5	1.27	8.3…10.2	1832.64	Σ 3	8.3 *yel'sh wh.*
4150	Schj. 6	SD (5°) 2175	29 32	− 5 43	….	40±	9.5…10	….	….	
4151	H 2401	….	29 50	−24 40	255.9	8±	11 …12	1830+	H 1	
4152	H 3295	….	29 55	39 7	11.3	28±	9 …11	1831+	H 1	"Neb. I, 218 follows"
4153	Hd 106	….	30 :	−24 26:	….	….	….	1868.01	Hd	"Suspected"
4154	A 532	SD (7°) 2057	30 0	− 7 58	87.4	0.41	8.4…10.0	1903.90	A 3	(*Bul. L. O.* No. 50)
4155	H 2399	DM (57°) 1091	29 57	57 4	65.6	7±	9 …11	1830+	H 1	
4156	See 83	O. Arg. S. 7065	30 10	−25 48	200.3	9.01	7 …12.3	1897.84	See 1	
4157	H 762	….	30 11	0 19	335±	4±	10 …11	1820+	H 1	
4158	H 2400	….	30 15	3 27	280.6	15±	9 …14	1830+	H 1	
4159	OΣ (App) 87	W^2 VII^h. 831	30 29	42 44	178.5	65.51	7.0… 7.0	1875.42	*Δ* 4	
4160	H 2402	….	30 30	5 17	….	….	….	….	….	No description in H
4161	A 533	SD (3°) 1972	30 30	− 3 40	29.3	1.08	8.7… 9.7	1903.09	A 2	(*Bul. L. O.* No. 50)
4162	Σ 1120	L 14868	30 32	−14 13	35.3	19.61	6.5… 9.5	1830.23	Σ 2	6.5 *white*
4163	H 3982	B. A. C. 2508	30 34	−28 6	….	….	6…9…9	1834+	H 1	
4164	β 200	70 *Geminorum*	30 40	35 19	241.8	1.49	10.0…11.0	1876.02	*Δ* 2	C and D
					206.6	17.20	…13.0	1880.09	β 1	C and E
					190.0	98.43	…11.0	1876.78	*Δ* 1	A and B
					98.7	162.02	5.0…	1876.02	*Δ* 2	A and C
4165	Σ 1119	DM (34°) 1646	30 44	33 59	350.0	2.89	8.0… 9.3	1829.58	Σ 3	8.0 *wh.*
4166	H 2403	….	30 57	4 22	283±	4±	13 …14	1830+	H 1	
4167	Hd 107	….	31 :	−23 31:	s	10±	7.5…10	1869.08	Hd	
4168	H 5470	….	31 5	−14 13	230±	6±	9 …10	1827.9	H 1	
4169	Σ 1121	B. A. C. 2511	31 5	−14 13	304.7	7.45	7.2… 7.5	1831.44	Σ 4	*White*
4170	S 555	L 14888	31 10	−14 10	227.7	94.37	7½… 8	1825.00	S 2	
4171	H 2404	….	31 17	18 8	66.4	12±	9–10…11–12	1830+	H 1	
4172	Ho 35	SD (−0°) 1768	31 24	− 0 44	222.3	0.88	8 … 9	1882.23	Ho :	
4173	Ho 244	DM (−1°) 1779	7 31 25	− 1 46	199.1	11.85	7 …13	1887.21	Ho 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4174	**H 3983**	**SD** (13°) 2127	$7^h 31^m 35^s$	−13°35′	305°8	5″±	10½...11	1836.1	H 1	
4175	**H 764**	....	31 42	−10 53	265±	15±	10 ...10+	1820+	H 1	
4176	**A 534**	**SD** (2°) 2207	31 47	− 2 20	288.9	0.80	7.6...10.0	1903.04	A 2	(*Bul. L. O.* No. 50)
4177	**H 763**	**DM** (10°) 1585	31 48	10 15	193±	6±	10 ...11	1820+	H 1	
4178	**H 2407**	**SD** (8°) 2002	31 53	− 8 9	291.6	20±	9–10...12	1830+	H 1	
4179	**H 2406**	....	32 0	1 40	71.0	18±	12 ...12	1830+	H 1	
4180	**S 557**	**L** 14908	32 7	−14 10	336.9	66.36	8 ...10	1825.19	S 2	
4181	**OΣ 176**	**L** 14904	32 20	0 47	210.4	1.54	7.3... 9.3	1855.92	OΣ 3	
4182	**H 58**	....	32 27:	− 2 55:	290±	2±	11 = 11	1820+	H 1	"Very neat double star"
4183	**H 765**	**L** 14890	32 30	27 0	210±	15±	8 ...14	1830+	H 1	A and B
					300±	18±	...15	1830+	H 1	A and C
4184	**Ho 245**	**W^1 VII^h.** 967	32 38	− 1 11	178.4	0.38	8 ... 8	1887.21	Ho 3	
4185	**A 535**	**SD** (4°) 2028	32 47	− 4 43	148.5	0.26	8.4... 8.5	1903.39	A 3	(*Bul. L. O.* No. 50)
4186	**H 2405**	24 *Lyncis*	32 51	58 59	319.4	60±	5–6...12	1830+	H 1	
4187	**Schaeberle**	*α Canis Minoris* (Procyon)	33 1	5 32	320.4	4.63	1 ...	1896.93	Sch 4	
4188	**Bird 2**	**W^1 VII^h.** 990	33 24	5 33	182.6	0.79	9.1... 9.2	1872.90	Δ 5	A and B
					335.2	35.91	...13	1881.54	β 3	AB and C
4189	**A 536**	**SD** (9°) 2156	33 26	− 9 41	244.7	0.86	8.0...13.0	1903.82	A 1	(*Bul. L. O.* No. 50)
4190	**Hu 457**	**DM** (23°) 1779	33 33	23 31	146.3	2.32	8.5...12.3	1902.17	Hu 2	(*Bul. L. O.* No. 21)
4191	**OΣ 177**	**W^2 VII^h.** 936	33 41	37 42	149.9	0.58	7.5... 8.5	1845.60	OΣ 3	*White: dusky Δ*
4192	**β 201**	**L** 14945	33 42	−20 0	330.6	2.89	8.0... 8.5	1876.41	Δ 3	
4193	**Σ 1126**	**P VII^h.** 170	33 44	5 30	132.0	1.46	7.2... 7.5	1829.43	Σ 11	*Yel'sh*
4194	**Σ 1123**	**DM** (33°) 1566	33 47	33 41	162.7	3.66	8.8... 9.5	1829.59	Σ 3	
4195	**H 2408**	....	33 47	−27 54	161.5	10±	10 = 10	1830+	H 1	"Fine"
4196	**Σ 1124**	**DM** (22°) 1744	33 50	22 5	325.5	19.39	8.2... 8.4	1828.27	Σ 4	*White*
4197	**β 1061**	*κ Argus*	33 54	−26 32	229.3	6.46	4 ...13.8	1889.12	β 3	B and C
					317.8	10.41	5 ... 5	1836.67	H 3	A and B
4198	**Hn 89**	**SD** (16°) 2068	33 55	−16 25	217.9	2.95	9.2...10.3	1888.53	Com 3	
4199	**Σ 1128** *rej.*	**L** 14941	33 56	− 5 58′	....	III–IV	8 ...10	....	Σ	
4200	**A. G. 142**	**DM** (23°) 1782	34 15	23 28	16.0	1.52	8.8...10.0	1902.09	Hu 1	
4201	**Hu 708**	**SD** (17°) 2083	34 27	−17 38	275.1	1.44	9.0...13.0	1902.27	Hu 1	
4202	**Σ 1122**	**P VII^h.** 159	34 29	65 27	4.9	15.46	7.1... 7.1	1830.59	Σ 4	*White*
4203	**H̦ V. 135**	....	34 31:	65 27:	185.0	38.30	....	1783.73	H̦ 1	
4204	**Ho 523**	**DM** (21°) 1663	34 37	21 55	322.7	8.58	9 ...10.5	1894.09	Ho 1	
4205	**H 3297**	....	34 42	15 12	195.4	14±	11 = 11	1831+	H	
4206	**Σ 1129**	**W^2 VII^h.** 991	34 46	18 20	62.6	21.66	8.2... 8.7	1828.68	Σ 2	*White*
4207	**See 84**	**L** 14980	34 57	−19 23	287.4	9.27	5.8...11	1897.82	See 1	
4208	**A. G. 143**	**A. G. Alb.** 2963	34 59	1 25	97.6	5.53	8.7... 9.7	1903.20	M 2	
4209	**H.C.Wilson 5**	....	35 :	−20 0:	313.3	4.74	9 ...11.2	1886.18	W 3	From (Cin^{10})
4210	*Schj.* **7**	**W^1 VII^h.** 1032	35 1	9 29	....	25±	8.5... 9.5	....	....	
4211	**Σ 1130**	**DM** (10°) 1599	35 8	9 59	162.0	2.04	8.4... 8.9	1829.40	Σ 5	
4212	**H 2409**	**DM** (19°) 1800	35 9	19 18	216.4	18±	9–10...16	1830+	H	
4213	**Σ 1125**	**DM** (61°) 995	35 17	61 11	341.6	21.79	8.5...10.0	1831.40	Σ 2	
4214	**Hn 90**	**O. Arg. S.** 7228	35 36	−16 12	278.8	2.81	9.2... 9.5	1888.53	Com 3	
4215	**Σ 1127**	**O. Arg. N.** 8196	35 53	64 21	340.4	5.23	6.2... 8.0	1830.33	Σ 3	A and B 6.2 *very wh.*
					174.9	11.26	... 9.2	1830.33	Σ 3	A and C 8.0 *ash*
4216	**Innes 185**	**Cord. DM** (29°) 4757	35 55	−29 50	195.7	1.81	9.5...10.1	1902.32	I 2	
4217	**Hn 91**	**O. Arg. S.** 7245	36 0	−20 4	214.5	1.88	8.8...11.0	1888.50	Com 3	
4218	**H 2410**	....	36 9	0 16	4.3	12±	10–11...11	1830+	H	
4219	**Σ 1132**	**L** 14966	36 13	− 3 14	237.9	19.26	8.1... 8.7	1829.40	Σ 4	*White*
4220	**H 2411**	....	36 16	−27 42	200.3	10±	10–11...12	1830+	H	
4221	**H 766**	....	36 24	10 27	40±	13±	10 ...11	1820+	H	
4222	**Σ 1133**	**W^1 VII^h.** 1084	36 35	− 3 45	108.3	4.35	8.3... 9.3	1831.20	Σ 3	
4223	**Hu 709**	**SD** (17°) 2108	37 0	−17 59	287.4	1.85	9.0... 9.0	1902.27	Hu 1	
4224	**A 674**	**A. G. Leiden** 3253	37 1	31 24	130.5	0.93	7.4...10.2	1904.16	A 4	(*Bul. L. O.* No. 61)
4225	**Hu 114**	**SD** (13°) 2182	7 37 5	−14 1	219.5	1.58	8.6...13.0	1900.23	Hu 2	(*A. J.* 485)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4226	OΣ 179	κ *Geminorum*	7^h 37^m 12^s	24° 41′	233°.2	6″.24	4.0... 8.5	1853.70	OΣ 7	*Yel'sh: ash*, Δ
4227	Σ 1134	DM (3°) 1773	37 13	3 47	146.8	10.10	8.0...11.2	1832.16	Σ 3	8.0 *yel'sh*
4228	Hu 710	SD (16°) 2093	37 34	−16 47	36.0	0.35	7.0... 8.0	1902.27	Hu 1	
4229	H 2413	....	37 37	0 14	13.8	9±	10 ...11	1830+	H	Double in *Hd. Zones*
4230	H 3298	DM (13°) 1751	37 40	13 7	71.4	10±	10 ...13	1831+	H	"Star 8m. *p* 7^s.5" 8.7 in DM
4231	H 4212	W^2 VII^h. 1052	37 46	20 11	171.4	4±	10–11...11	1830+	H	"Duplex 8′" in W^2
4232	OΣ 181	L 15012	37 53	34 51	260.2	6.11	7.5...11.8	1848.24	OΣ 2	
4233	β 580	β *Geminorum* (Pollux)	37 58	28 19	128.0	1.40	10 ...12.5	1878.10	β 2	C and D
					275.3	41.39	2.0...13.5	1880.22	β 1	A and B
					65.5	116.75	....	1781.90	H 1	A and C
					90.0	206.30	... 9.5	1879.24	β 1	A and E 2.0 *yel.*
					73.9	203.84	...11.0	1836.26	Σ 3	A and F
					89.8	57.40	....	1851.88	OΣ 3	C and F
					145.2	71.12	....	1898.96	β 1	C and E
4234	Ho 246	W^2 VII^h. 1076	38 12	26 17	222.5	2.34	7.5...12.5	1887.30	Ho 2	
4235	H 428	DM (21°) 1677	38 13	21 10	270±	7±	9 ...14	1820+	H	8.3m. in DM
4236	H 59	....	38 15:	− 3 24:	310±	6±	11 ...13	1820+	H	
4237	H 2415	....	38 18	−28 42	114.5	3±	11 ...11–12	1830+	H	"A smaller *f*"
4238	OΣ 180	Rad^1. 2027	38 18	59 23	204.4	14.86	7.3...11.2	1848.63	OΣ 3	7.2 *yel'sh*, Δ
4239	H 3995	....	38 20	−21 49	249.7	5±	10 ...11	1837.1	H	
4240	See 85	1 *Argus*	38 42	−28 8	32.6	26.68	5 ...13.7	1897.85	See 1	
4241	Σ 1131	DM (71°) 427	38 43	71 45	353.3	2.43	9.3... 9.5	1832.34	Σ 3	
4242	H 2414	....	38 49	20 18	64.4	5±	11–12=11–12	1830+	H	
4243	Hu 51	SD (11°) 2086	38 56	−12 2	46.1	0.87	8.7... 9.2	1900.04	Hu 3	(*A. J.* 480)
4244	Ho 247	DM (21°) 1679	39 3	21 25	101.3	0.36	7.5... 8.0	1887.22	Ho 2	(*A. N.* 2977) (See p. 1070)
4245	H 767	W^1 VII^h. 1149	39 10	− 0 9	170±	18±	8–9...11	1820+	H	
4246	Ho 347	W^2 VII^h. 1108	39 23	17 18	280.3	13.71	8.0...12.2	1892.72	Ho 2	(*A. N.* 3233) (See p. 1070)
4247	*Schj.* 8	DM (14°) 1748	39 30	14 1	25.5	2.20	8.5... 9.0	1875.80	Δ 3	
4248	H 3299	DM (17°) 1765	39 32	17 31	234.7	15±	10 ...11	1831+	H	
4249	Σ 1135	π *Geminorum*	39 46	33 43	211.7	22.60	4.9...11.0	1831.25	Σ 4	A and B 4.9 *gold*
					339.9	93.98	...(15)	1823.16	Sh 2	A and C
4250	Σ 1138	2 *Navis*	39 58	−14 24	339.2	16.53	6.2... 7.0	1829.55	Σ 3	*White*
4251	Innes 392	....	40 :	−30 18	1.8	0.88	....	1901.09	I 1	(*M. N.* LXII, 474)
4252	Ho 36	DM (25°) 1763	40 14	25 45	299.9	0.98	8.5... 8.5	1883.19	Ho 1	
4253	Σ 1137	DM (4°) 1816	40 15	4 25	132.7	2.80	8.0... 9.0	1828.86	Σ 3	*Yel'sh: blue*
4254	H 2416	SD (8°) 2060	40 20	− 8 14	121.9	4±	11=11	1830+	H	9.3m. in SD.
4255	A.G.Clark 2	W^2 VII^h. 1131	40 30	28 59	114.9	0.81	8.0...11.0	1879.03	β 1	
4256	Σ 1141	DM (0°) 2079	40 53	0 19	8.9	17.66	8.0... 8.7	1831.24	Σ 2	*White*
4257	H 60	....	40 58:	12 20:	45±	4±	13 ...14	1820+	H	
4258	S 560	DM (29°) 1615	41 0	29 4	359.4	90.60	6 ...12	1825.07	S 2	
4259	Σ 1139 *rej.*	DM (37°) 1778	41 14	37 25	351.0	30±	10 ...10	1831+	H	From H (vi). 8.3m. in DM.
4260	β 1062	82 *Geminorum*	41 23	23 26	32.3	4.06	6 ...13.5	1889.10	β 3	
4261	Σ 1140	L 15155	41 26	18 38	273.9	6.16	6.8... 8.5	1829.23	Σ 3	*Yel.: very blue*
4262	Σ 1144	W^2 VII^h. 1155	41 32	28 52	357.9	7.97	8.0...10.0	1829.27	Σ 4	8.0 *white*
4263	H 429	....	41 38	31 35	315±	6±	11 ...12	1820+	H	
4264	Σ 1142	DM (13°) 1770	41 40	13 43	275.9	24.36	8.0...10.4	1829.47	Σ 4	8.0 *yel'sh*
4265	Σ 1136	DM (65°) 599	41 40	65 12	248.5	11.61	7.3...11.0	1830.65	Σ 3	7.3 *very yel.*
4266	Σ 1143	DM (5°) 1790	41 41	5 42	152.0	9.34	7.0...11.0	1825.21	Σ 1	7.0 *yel.*
4267	H 62	....	41 48:	− 5 24:	235±	30±	....	1820+	H	"An elegant triple star *p*"
4268	H 3300	....	41 59	14 54	66.8	6±	10 ...12	1831+	H	"A third star 60″ same line"
4269	Σ 1146	5 *Navis*	42 19	−11 54	17.5	3.33	5.3... 7.4	1831.83	Σ 6	*Yel'sh: blue*
4270	Hu 52	SD (11°) 2105	42 19	−11 41	90.3	3.22	9.2...13.5	1900.03	Hu 1	(*A. J.* 480)
4271	A 334	SD (4°) 2092	42 26	− 4 29	115.8	0.23	8.5... 9.4	1902.60	A 2	(*Bul. L. O.* No. 29)
4272	H 63	....	42 30:	− 0 14:	300±	12–15	13=13	1820+	H	
4273	H 2417	....	42 38	56 51	290.0	3±	11=11	1830+	H	
4274	H 61	DM (6°) 1788	7 42 46	6 23	175±	7±	10 ...11	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4275	OΣ (App) 88	W^1 VII^h. 1250	$7^h 42^m 47^s$	0° 58′	5°.1	56″.88	7.5… 8.0	1875.47	Δ 2	Δ (I)
4276	H 4003	Cord. DM (23°) 6228	42 49	−23 53	127.8	15±	9½…10	1837.1	H	
4277	H 65	DM (13°) 1778	42 59	13 3	60±	5±	10 …15	1820+	H	
4278	H 64	….	43 :	− 0 17:	315±	12–15	13 = 13	1820+	H	
4279	Ho 37	DM (−1°) 1847	43 55	− 1 58	177.3	1.50	8 … 8	1882.23	Ho 1	
4280	Σ 1147	W^2 VII^h. 1197	43 5	24 50	162.3	2.46	9.0… 9.0	1830.73	Σ 4	*White*
4281	See 86	o *Argus*	43 6	−25 38	198.0	27.69	5.4…13.9	1897.83	See 1	
4282	H 3301	W^2 VII^h. 1193	43 8	37 31	67.2	22±	8 …16	1831+	H	"Very difficult"
4283	Σ 1149	DM (3°) 1803	43 13	3 31	40.3	22.02	7.3… 9.0	1830.55	Σ 3	*Yel.: wh.*
4284	Σ 1145	DM (39°) 2017	43 15	39 8	56.8	1.29	8.2…11.0	1830.93	Σ 3	
4285	S 561	Cord. G. C. 10197	43 24	−25 29	2.0	50.90	10 …11	1825.15	S 2	
4286	OΣ (App) 89	W^2 VII^h. 1204	43 29	31 55	82.8	76.72	6.3… 7.0	1875.78	Δ 3	Δ (I)
4287	H 2418	DM (20°) 1919	43 38	20 19	215.5	20±	9 … 9+	1830+	H	
4288	H 2419	….	43 47	−28 53	99.5	6±	11–12..12	1830+	H	
4289	H 3302	….	43 54	15 57	332.1	13±	9–10…11	1831+	H	
4290	β 1063	ξ *Argus*	44 15	−24 34	188.7	4.63	4 …13.8	1889.12	β 3	
4291	H 66	….	44 27:	− 3 18:	155±	30±	9 …11	1820+	H	
4292	See 87	L 15304	44 29	−19 54	144.5	4.47	6 …14.8	1897.83	See 1	
4293	Ho 248	DM (21°) 1702	44 35	21 22	96±	18±	9 …12	1887.20	Ho	
4294	Innes 186	O. Arg. S. 7505	44 39	−30 15	198.7	1.02	8.3… 8.6	1901.54	I 2	
4295	H 430	….	44 43	34 15	180±	15±	10 …11	1820+	H	
4296	H 431	….	44 43	30 7	50?	2±	11 = 11	1820+	H	
4297	A. G. 144	DM (22°) 1797	44 46	22 34	330.3	11.10	9.0…10.5	1902.20	Cg 3	
4298	H 4007	Cord. DM (27°) 4599	44 52	−27 57	272.8	15±	9½… 9½	1835.1	H	
4299	Σ 1152	SD (2°) 2316	44 58	− 2 49	312.9	5.81	8.2… 9.9	1830.72	Σ 4	8.2 *yel.*
4300	Hd 109	….	45 :	−23 0:	100±	1.5±	8 …10.5	1881.20	Hd	"Suspected"
4301	H 67	….	45 3:	12 6:	245±	5±	12 …13	1820+	H	
4302	β 1195	L 15331	45 35	− 9 6	81.4	0.46	7.3… 7.6	1891.00	β 3	
4303	Hd 110	O. Arg. S. 7528	45 43	−23 52	*sp*	2±	8 …10	1869.08	Hd	
4304	Σ 1153	DM (12°) 1698	45 54	12 20	357.5	19.88	9.0… 9.2	1827.71	Σ 2	
4305	β 1319	Cord. DM (23°) 6349	45 57	−23 55	242.4	0.93	9.8… 9.8	1903.23	β 2	A and B
					246.9	7.38	9.1…10.4	1903.23	β 2	C and D
					4.6	147.98	….	1903.23	β 2	A and C
4306	H 5471	….	46 1	25 46	*sf*	4±	….	1823+	H	"Two pretty close double stars in the same field"
4307	H 5472	….	46 2	25 47	*nf*	4±	….	1823+	H	
4308	Σ 1148 *rej.*	DM (71°) 432	46 3	71 4	….	Cl. IV	8–9…11	….	Σ	
4309	Σ 1154	SD (2°) 2322	46 7	− 2 45	357.9	2.26	7.7… 9.9	1827.70	Σ 4	*Yel.: purplish*
4310	β 101	9 *Argus*	46 13	−13 35	289.7	0.58	5.6… 6.7	1875.24	Δ 2	
4311	H 432	DM (21°) 1708	46 17	21 9	270±	9±	9 = 9	1820+	H	
4312	OΣ 182	L 15349	46 24	3 42	47.0	1.09	7.0… 7.5	1853.43	OΣ 6	
4313	Hu 711	DM (48°) 1585	46 26	48 28	199.1	4.16	7.8…12.5	1903.02	Hu 1	
4314	Hu 712	DM (51°) 1372	46 26	51 49	149.2	1.23	8.8…13.0	1903.02	Hu 1	
4315	A. G. 145	DM (9°) 1799	46 33	9 25	246.6	5.67	9.2… 9.6	1895.34	Lp 1	
4316	Hu 53	SD (11°) 2133	46 41	−11 21	9.6	0.34	8.5… 8.5	1900.03	Hu 1	(*A. J.* 480)
4317	H 768	….	46 42	28 13	305±	4±	12 …13	1820+	H	
4318	H 2420	….	46 48	− 6 45	341.9	5±	11 …11+	1830+	H	
4319	H 68	….	46 51:	− 2 58	90±	12–15	10 …11	1820+	H	
4320	H III. 28	L 15389	46 53	−13 33	….	8±	….	1781.	H	
4321	Weisse 16	W^2 VII^h. 1282	46 56	41 53	….	….	9 … 9–10	….	….	"Duplex 20″" in W^2
4322	OΣ 183 *rej.*	DM (16°) 1580	47 8	16 21	….	12	7 …11	….	OΣ	
4323	H 2421	….	47 8	−27 30	41.8	8±	10 …11	1830+	H	
4324	Σ 1155	DM (26°) 1673	47 10	26 29	342.5	14.69	8.0…10.7	1827.27	Σ 2	8.0 *yel.*
4325	Weisse 17	W^2 VII^h. 1314	47 16	15 16	….	….	8.9…	….	….	
4326	….	SD (13°) 2277	47 26	−13 45	162.5	41.84	7 …12	1901.18	β 2	A and B
					145.9	4.16	…12	1901.20	β 1	B and C
4327	H 769	SD (9°) 2269	7 47 35	− 9 55	250±	7±	10–11..17	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4328	A 537	SD (9°) 2270	$7^h\ 47^m\ 42^s$	− 9° 39′	70°.8	1″.15	9.0…11.8	1903.68	A 3	(*Bul. L. O.* No. 50)
4329	H 3303	DM (35°) 1707	48 3	35 50	36.5	7 ±	10 …13	1831+	H	9.5 in DM
4330	Ho 249	W^2 VII^h. 1331	48 3	21 59	204.3	2.90	8 …13	1887.21	Ho 2	(*A. N.* 2977)
4331	H 69	….	48 14:	11 37:	230 ±	25 ±	9 …11	1820+	H	
4332	H 70	….	48 20:	11 37:	295 ±	3 ±	13 = 13	1820+	H	
4333	Σ 1157	L 15431	48 31	− 2 29	267.3	1.59	8.0… 8.0	1831.20	Σ 3	*White*
4334	H 4013	L 15453	48 44	−18 1	199.7	12 ±	7½…13	1836.1	H	"Points to a third"
4335	Σ 1156	W^2 VII^h. 1346	48 47	24 59	158.5	18.64	8.0…10.2	1827.28	Σ 2	8.0 *yel'sh*
4336	Hu 54	SD (12°) 2204	48 59	−12 31	9.4	1.68	8.5… 8.8	1900.04	Hu 3	(*A. J.* 480)
4337	H 4015	SD (17°) 2222	49 2	−17 29	221.8	20 ±	9 = 9	1836.1	H	B = SD (17°) 2221
4338	Σ 1151	DM (77°) 309	49 16	77 7	223.0	3.58	8.7…10.2	1832.34	Σ 3	
4339	A. G. 146	DM (50°) 1495	49 22	50 35	285.2	3.14	9.1… 9.1	1900.12	Es 2	
4340	Ma 4	W^2 VII^h. 1361	49 23	15 25	96.8	5.87	8.5… 8.5	1843.14	Ma 1	
4341	Σ 1158	DM (22°) 1813	49 26	22 12	333.0	7.53	8.8…10.0	1829.88	Σ 3	
4342	Hn 92	SD (16°) 2188	49 28	−16 20	214.5	1.88	8.8…11.0	1888.50	Com 3	
4343	H 2422	DM (1°) 1949	49 37	1 28	62.1	20 ±	10 …10	1830+	H	9.3 m. in DM
4344	H 71	SD (3°) 2122	49 41	− 3 9	225 ±	15–20	9 … 9½	1820+	H	
4345	H 433	….	50 3	23 58	….	….	….	….	….	No description
4346	Ho 250	W^2 VII^h 1371	50 3	21 17	160 ±	0.5 ±	7 … 9	1887.22	Ho	A and B (*A. N.* 2977). (See p. 1070)
					154.4	9.38	…13	1887.21	Ho 1	A and C
4347	A 538	SD (6°) 2368	50 11	− 6 7	199.0	0.73	8.5… 9.0	1903.81	A 2	(*Bul. L. O.* No. 50)
4348	H 1159	….	50 17	9 52	320 ±	4 ±	16 …17	1828+	H	
4349	Σ 1162	W^1 VII^h. 1464	50 41	13 32	329.5	9.02	7.8… 9.7	1829.53	Σ 3	7.8 *yel'sh wh.*
4350	Hd 111	….	50 51:	−19 19	170 ±	8 ±	8½… 8½	1870.08	Hd	
4351	H 434	….	50 56	−21 23	120 ±	15 ±	9 …10	1820+	H	Probably DM (21°) 1727
4352	Σ 1163	….	51 :	24 58:	160.7	18.35	7.7… 9.7	1828.28	Σ 2	(See Σ 1156)
4353	Σ 1161	DM (47°) 1510	51 3	46 57	193.4	2.49	7.8… 9.7	1830.61	Σ 3	7.8 *white*
4354	See 90	Cord. DM (22°) 5387	51 6	−22 2	328.1	2.44	8.1…13.5	1897.85	See 1	(*A. J.* 431)
4355	OΣ 185	L 15522	51 6	1 27	23.5	0.39	6.8… 7.0	1847.29	OΣ 3	
4356	Hd 112	….	51 22:	−18 32:	*nf*	10 ±	9 …13	1869.14	Hd	
4357	Σ 1160	DM (57°) 1117	51 41	57 16	32.6	6.46	8.0…11.2	1830.97	Σ 3	8.0 *yel.*
4358	Σ 1167	DM (16°) 1599	51 43	16 47	227.9	12.01	8.7…10.7	1830.73	Σ 2	
4359	Sh 86	*Ursae Majoris* 2	51 46	63 25	83.2	46.65	7 … 8	1823.15	Sh 1	
4360	H 770	….	52 2	9 38	275 ±	3 ±	10–11…11	1820+	H	
4361	Sh 87	14 *Canis Minoris*	52 8	2 33	65.7	76.02	6 … 9	1822.14	Sh 1	A and B
					152.8	112.16	…10	1822.14	Sh 1	A and C
4362	H 771	SD (15°) 2151	52 10	−15 59	135 ±	6 ±	9 …10	1820+	H	
4363	Σ 1168	*Canis Minoris* 54	52 20	5 57	214.7	5.86	8.0…11.8	1831.22	Σ 3	8.0 *very wh.*
4364	β 902	L 15575	52 22	−10 34	247.1	1.33	8.0…11.0	1879.18	β 1	
4365	Σ 1165	DM (54°) 1189	52 41	54 57	265.3	0.73	8.0…10.3	1831.94	Σ 3	8.0 *white*
4366	Σ 1159 *rej.*	DM (72°) 394	52 45	72 8	….	Cl. IV	7–8… 9–10	….	Σ	
4367	H 72	….	52 54:	4 34:	185 ±	15 ±	10 …11	1820+	H	
4368	H 3305	DM (37°) 1814	53 2	37 13	226.1	3 ±	9–10…10	1831+	H	
4369	Σ 1170	W^1 VII^h. 1524	53 2	14 1	95.7	2.15	8.3… 8.3	1830.57	Σ 3	*White*
4370	H 73	….	53 6:	− 0 20:	285 ±	10 ±	11 …13	1820+	H	A and B
					345 ±	10 ±	…15	1820+	H	A and C
4371	H 4022	SD (21°) 2197	53 20	−21 9	7.5	15 ±	9 …10	1834+	H	8.5 m. in SD
4372	Hu 222	SD (12°) 2259	53 38	−13 0	281.0	3.15	8.5…12.0	1900.22	Hu 1	(*A. J.* 494)
4373	Hn 93	SD (10°) 2319	53 40	−10 8	187.4	1.00	9.2…10.2	1888.90	Com 3	
4374	H 75	….	53 45:	− 2 52:	270 ±	25 ±	10 = 10	1820+	H	
4375	Σ 1164 *rej.*	O. Arg. N. 8492	53 49	68 44	344.6	26.35	8.0…10.3	1904.02	β 2	
4376	H 74	….	53 50:	−11 58:	280 ±	2–3	11 …12	1820+	H	
4377	Σ 1171	*Cancri* 5	53 51	23 55	338.6	2.80	6.2…10.7	1828.95	Σ 3	6.2 *yel.*
4378	H II. 101	….	54 :	64 3:	327.2	….	….	1783.73	H	
4379	H 772	….	54 0	35 46	35 ±	5 ±	11 …12	1820+	H	"A red star at 180°, dist. 8″"
4380	H 3306	….	7 54 3	1 47	186.4	7 ±	9–10…15	1831+	H	"The *sf* and larger of two"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4381	**Hn 94**	L 15649	$7^h\ 54^m\ 14^s$	−13° 31′	279°.3	3″.10	8.7...11.0	1888.80	Com 3	
4382	**H 2423**	W^2 VII^h. 1469	54 17	19 55	262.6	5±	8–9...16	1830+	H	(= Ho 348)
4383	**H VI. 75**	ω^2 *Cancri*	54 30	25 25	300±	75±	....	1782.1	H	A and B
					....	100±	....	1782.1	H	A and C
4384	**Σ 1173**	DM (17°) 1733	54 32	17 17	50.1	9.81	8.0... 9.7	1830.23	Σ 3	8.0 *white*
4385	**H 2425**	SD (8°) 2177	54 40	− 8 18	227.8	8±	10 ...13	1830+	H	
4386	**H 435**	DM (25°) 1817	54 42	25 52	295±	12±	10 = 10	1820+	H	
4387	**H 3307**	DM (17°) 1737	55 0	17 22	354.4	18±	9–10...12	1831+	H	
4388	**Σ 1172**	DM (55°) 1242	55 11	55 5	242.0	1.62	7.6... 9.4	1829.79	Σ 4	7.6 *yel'sh wh.*
4389	**H 4024**	Cord. G. C. 10548	55 16	−29 11	82.5	12±	9 ...10	1837.1	H	
4390	**Hu 713**	DM (49°) 1699	55 17	49 38	129.2	4.78	9.0... 9.0	1903.02	Hu 1	
4391	**Hu 223**	SD (13°) 2343	55 22	−13 26	212.1	0.82	8.6...12.5	1900.23	Hu 2	(*A. J.* 494)
4392	**H 437**	....	55 39	20 38	90±	8±	11 ...12	1820+	H	
4393	**H 76**	....	55 43:	10 59:	80±	4–5	11 ...12	1820+	H	"Neat double star"
4394	**H 436**	....	55 45	35 20	87±	12±	11 ...12	1820+	H	
4395	**A 539**	SD (3°) 2176	55 52	− 3 13	26.9	0.51	8.4... 8.7	1903.04	A 3	(*Bul. L. O.* No. 50)
4396	**Ho 349**	W^1 VII^h. 1602	55 53	12 47	226.2	9.97	8 ...13	1891.76	Ho 2	A and B
					290.5	63.22	...12	1891.76	Ho 2	A and C
4397	**H 77**	....	56 0:	− 0 39:	360±	40±	10 ...12	1820+	H	A and B
					255±	5±	...11	1820+	H	B and C
4398	**H 2424**	Rad^1. 2073	56 0	59 35	149.6	30±	7–8...12	1830+	H	
4399	**OΣ 186**	L 15673	56 1	26 36	74.1	0.79	7.5... 8.2	1847.88	OΣ 5	
4400	**Σ 1174**	DM (47°) 1522	56 5	47 38	215.0	5.67	8.0... 8.5	1830.91	Σ 3	*White*
4401	**A 540**	SD (2°) 2384	56 5	− 2 27	325.7	1.16	8.7...12.5	1903.04	A 3	A and B (*Bul. L. O.* No. 50)
					10.3	22.88	...14.0	1903.04	A 1	A and C
					272.5	24.00	...13.5	1903.04	A 1	A and D
4402	**Σ 1175**	DM (4°) 1882	56 6	4 29	204.6	2.37	7.8... 9.7	1831.24	Σ 5	*Yel'sh: bluish*
4403	**β 333**	*Argus* 269	56 7	−22 0	45.4	1.44	7.0...10.2	1879.09	Cin 4	A and B
					73.5	42.15	7.7... 7.7	1885.66	W 2	A and C
4404	**H 773**	....	56 8	− 8 7	315±	3±	11 ...12	1820+	H	
4405	**β 23**	DM (3°) 1876	56 14	3 26	177.0	2.81	8.2...12.0	1875.54	Δ 2	
4406	**OΣ 187**	L 15679	56 29	33 22	306.9	0.47	6.9... 7.5	1844.02	OΣ 4	*White*
4407	**H 438**	DM (31°) 1722	56 38	31 56	135±	20±	9 ...11	1820+	H	
4408	**Ho 350**	W^1 VII^h. 1627	56 51	12 31	189.3	4.20	7.7...11.8	1891.25	Ho 2	(See p. 1070) (*A. N.* 3233)
4409	**β 202**	O. Arg. S. 7850	56 59	−26 53	164.8	8.18	7.5... 9.0	1876.09	β 1	A and B
					77.1	19.37	...13.6	1897.85	See 1	A and C
					239.2	29.43	...12	1897.85	See 1	A and D
4410	**H 78**	....	57 5:	− 3 21:	160±	12±	11 ...12	1820+	H	
4411	**Howe 19**	O. Arg. S. 7857	57 6	−26 55	320.7	2.04	8.0...11.0	1877.13	Cin 1	
4412	**See 95**	SD (19°) 2205	57 12	−19 59	191.6	13.84	6.5...14.9	1897.83	See 1	
4413	**β 203**	O. Arg. S. 7874	57 41	−27 13	242.5	7.15	7.7... 8.5	1876.11	Cin 7	
4414	**β 581**	L 15743	57 43	12 38	176.9	0.40	8.0... 8.0	1878.15	β 2	A and B
					185.3	4.76	...10.5	1878.13	β 3	AB and C
4415	**H 2426**	L 15758	57 44	− 7 50	145.0	25±	8–9...12	1830+	H	
4416	**Σ 1178**	W^1 VII^h. 1672	57 47	−12 52	330.1	4.79	9.0... 9.0	1831.20	Σ 3	
4417	**Σ 1169**	O. Arg. N. 8525	58 1	79 52	10.0	20.74	7.6... 7.9	1832.25	Σ 4	*Yel'sh wh.: wh.*
4418	**β 582**	DM (12°) 1760	58 6	12 25	59.8	3.76	...12.0	1878.39	β 2	B and C AB = Σ 1179
					205.2	17.91	8.5... 8.5	1829.73	Σ 2	A and B
4419	**Σ 1176**	W^2 VII^h. 1553	58 8	42 20	27.8	22.30	7.7... 9.3	1830.97	Σ 3	7.7 *white*
4420	**β 903**	L 15768	58 9	− 1 31	33.7	1.47	7.8... 9.3	1879.60	β 5	
4421	**Σ 1177**	*Cancri* 17	58 16	27 52	354.7	3.51	6.5... 7.4	1828.27	Σ 4	*Very wh.: ashy wh.*
4422	**Howe 20**	Cord. DM (30°) 5525	58 38	−30 24	45.9	12.26	8.0...10.2	1877.12	Cin 2	From Cin 4
4423	**H 4037**	....	58 39	−27 12	337.7	12±	8½...11	1834+	H	"80 or 100 stars in the field."
4424	**A 541**	SD (2°) 2412	58 42	− 2 29	267.8	1.25	8.7...11.3	1903.04	A 3	(*Bul. L. O.* No. 50)
4425	**Σ 1181**	DM (8°) 1963	58 55	8 32	140.3	5.18	8.0... 9.5	1830.23	Σ 3	*Yel'sh: bluish*
4426	**Σ 1182**	*Canis Minoris* 61	7 59 1	6 10	72.6	4.39	7.0... 9.0	1831.23	Σ 3	7.0 *wh.*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4427	Σ 1180 *rej.*	DM (34°) 1745	7^h 59^m 2^s	34°15′	253° ±	20′ ±	9 ...11	1830+	H	From H (V)
4428	A. G. 147	A. G. Leiden 3393	59 9	33 23	139.9	11.10	8.7... 9.2	1902.83	β 2	
4429	H 2428	DM (49°) 1705	59 20	49 36	48.6	12±	9 ...12	1830+	H	
4430	H 79	....	59 21:	− 3 30:	55±	5±	11 = 11	1820+	H	"A 9 m. star 5^s *f.*"
4431	H 774	....	59 24	− 2 5	330±	10±	10 ...11	1820+	H	
4432	Espin 70	27 *Lyncis.*	59 25	51 51	265.8	47.7	4.5...	1901.	Es	A and B (*A. N.* 3784)
					248.4	7.5	12.5...13.0	1901.	Es	B and C
4433	A 542	SD (3°) 2206	59 34	− 3 28	1.6	2.28	8.8...14.0	1903.04	A 2	(*Bul. L. O.* No. 50)
4434	H 775	....	59 45	−15 29	170±	5±	10 ...11	1820+	H	
4435	A. G. 148	DM (−1°) 1949	59 47	− 1 25	178.7	6.75	9.5... 9.5	1902.18	β 2	
4436	H 4041	L 15859	59 49	−22 5	179.3	3±	7 ...15	1837.1	H	
4437	Ho 351	W^2 VII^h. 1613	8 0 0	21 14	234.1	1.98	7.0...11.7	1892.26	Ho 2	
4438	Weisse 18	W^2 VII^h. 1609	0 7	31 54	....	....	9 ...	....	....	
4439	H 80	DM (12°) 1771	0 30	12 39	105±	20±	10 ...12	1820+	H	
4440	A 543	SD (8°) 2221	0 41	− 8 54	325.6	1.22	8.5...12.2	1903.90	A 3	B and C AB = Σ 1183
					326.3	30.97	5.5... 7.8	1831.25	Σ 3	A and B
					20.1	14.28	...14	1903.90	A 2	B and D
4441	A. G. 149	DM (7°) 1919	0 43	7 44	238.0	6.01	9.6... 9.6	1895.34	Lp	
4442	H 776	....	0 52	− 7 43	225±	4–5	11 ...13	1820+	H	
4443	A 544	SD (2°) 2430	0 52	− 2 38	73.4	1.95	8.8...11.0	1903.04	A 3	(*Bul. L. O.* No. 50)
4444	Σ 1185	W^1 VII^h. 1760	0 55	1 42	102.4	3.48	8.8... 9.7	1830.90	Σ 3	8.8 *white*
4445	H 2427	....	1 4:	72 23	81.0	25±	9 ...13	1830+	H	
4446	H 81	....	1 9:	− 2 38:	300±	20±	11 ...12	1820+	H	
4447	Σ 1186	11 *Cancri*	1 29	27 50	218.8	3.17	7.1...10.4	1828.26	Σ 5	*7.1 yel.*
4448	Σ 1184	DM (38°) 1870	1 30	38 13	340.4	27.14	8.0... 8.5	1829.78	Σ 2	*Yel'sh wh.: wh.*
4449	Dunlop 61	*Argus* 285	1 30:	−28 48:	*sf*	....	6 ... 9	....	....	
4450	Σ 1189 *rej.*	DM (−0°) 1913	1 48	− 1 0	....	III–IV	8 ...12	....	Σ	From *Cat. Nov.*
4451	Σ 1188	DM (30°) 1651	1 54	30 42	201.3	15.85	8.0... 8.7	1827.28	Σ 3	*Very wh.*
4452	Σ 1187	*Lyncis* 85	1 54	32 34	71.0	1.61	7.1... 8.0	1829.50	Σ 5	*White*
4453	β 334	L 15933	2 3	−21 42	332.4	2.38	8.0... 9.7	1877.14	Cin 2	
4454	H 3308	P VII^h. 308	2 21	35 49	234.6	40±	5–6...11	1831+	H	
4455	Hd 113	ρ *Argus*	2 26	−23 58	*f*	....	....	1869.	Hd	
4456	Σ 1190	29 *Monocerotis*	2 34	− 2 38	104.2	31.58	6.0...11.7	1827.17	Σ 3	A and B 6.0 *yel.*
					244.4	67.06	... 8.5	1831.24	Σ 3	A and C
4457	H 440	....	2 48	23 50	105±	8±	10 = 10	1820+	H	
4458	S 563	SD (19°) 2260	3 9	−19 31	235.7	133.70	6 ... 7	1825.22	S 2	
4459	β 583	L 15959	3 18	− 6 21	68.5	1.82	8.5... 8.7	1878.10	β 1	
4460	Σ 1150 *rej.*	DM (86°) 116	3 40:	86 38	....	Cl. IV	8–9...10	....	Σ	From *Cat. Nov.*
4461	H 2430	DM (53°) 1222	3 49	53 43	311.5	15±	8 ...13	1830+	H	A and B
					177±	3±	...14	1830+	H	B and C
4462	A. G. 150	A. G. Alb. 3218	3 49	4 24	28.3	4.73	9.0... 9.5	1903.20	M 2	
4463	Σ 1191	DM (19°) 1944	3 52	19 23	70.9	3.21	8.7... 9.2	1829.58	Σ 3	*White*
4464	Ho 352	L 15988	3 59	−15 54	185.4	5.26	6.0...12.7	1890.24	Ho 2	(*A. N.* 3233)
4465	H 2429	....	4 0	71 53	123.2	15±	11 ...12	1830+	H	
4466	H 2432	SD (8°) 2250	4 2	− 8 51	68.8	15±	10 ...11	1830+	H	"Triple"
4467	Σ 1194	DM (2°) 1892	4 14	2 16	323.0	3.04	8.7...10.4	1831.97	Σ 4	8.7 *wh.*
4468	Espin 71	DM (53°) 1223	4 25	53 37	285.1	3.2	9.0... 9.1	1901.	Es	(*A. N.* 3784)
4469	O. Stone 18	O. Arg. S. 8124	4 40	−26 47	260.9	3.49	8.5... 9	1876.66	Cin 2	
4470	H 82	....	4 43:	11 7:	70±	20±	11 = 11	1820+	H	
4471	H 777	DM (11°) 1776	4 55	11 2	357±	5±	10 ...13	1820+	H	
4472	A 335	SD (4°) 2242	4 58	− 4 34	125.4	1.12	8.4... 9.2	1902.16	A 3	(*Bul. L. O.* No. 29)
4473	Hd 114	....	5 :	−23 51	333.0	2±	8.5...10	1870.18	Hd 1	
4474	Σ 1198	W^1 VIII^h. 64	5 4	1 37	157.5	33.05	8.0... 8.2	1829.48	Σ 3	*White*
4475	Σ 1195	DM (30°) 1660	5 10	30 49	330.2	8.63	8.3...10.8	1827.95	Σ 3	A and B 8.3 *wh.*
					153.0	21.78	...13	1892.26	Ho 2	A and C
4476	Σ 1197	DM (29°) 1713	8 5 18	29 54	102.6	1.65	8.2... 9.0	1829.25	Σ 3	*White*

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4477	Σ 1196	ζ *Cancri*	8^h 5^m20^s	18° 1′	57°.6	1″.14	5.0… 5.7	1826.22	Σ 3	A and B } *Yel.*
					154.7	5.30	… 5.5	1826.22	Σ 3	A and C
4478	A 545	SD (6°) 2498	5 23	− 6 51	249.2	3.48	8.0…12.0	1903.86	A 2	(*Bul. L. O.* No. 50)
4479	H 2431	....	5 32	59 40	333.7	8±	10 …12	1830+	H	
4480	β 1064	19 *Argus*	5 39	−12 34	244.9	1.84	6 …12.5	1889.08	β 4	A and B
					298.6	33.20	…14.5	1898.29	A 2	A and C
					256.0	70.17	…(10)	1826.65	S 2	A and D
4481	Σ 1192	56 *Camelopardali*	5 43	60 45	256.1	2.88	6.8…10.5	1832.00	Σ 3	A and B } 6.8 *white*
					227.7	48.64	…10.2	1832.00	Σ 3	A and C
4482	H 2433	....	5 57	− 8 55	331.9	16±	9–10…10–11	1830+	H	
4483	A. G. 151	A. G. Leiden 3440	6 8	34 8	146.2	6.23	9.2… 9.2	1902.83	β 2	
4484	H 83	....	6 11:	4 50:	120?	20±	14 …15	1820+	H	
4485	H 84	....	6 11:	4 53:	240?	10±	13 …14	1820+	H	
4486	Σ 1201	W^1 VIII^h. 96	6 21	9 56	179.9	6.42	8.0… 9.7	1831.57	Σ 3	8.0 *wh.*
4487	H 441	DM (26°) 1747	6 25	26 5	75±	15±	9 …11	1820+	H	
4488	Ho 38	W^2 VIII^h. 81	6 33	28 8	80.5	7.47	8 …13	1886.22	Ho 1	
4489	OΣ 189	Rad^1. 2109	6 34	43 24	292.6	4.13	6.7… 9.8	1846.46	OΣ 5	6.8 *white*
4490	H 4050	SD (15°) 2310	6 35	−15 18	303.3	....	9 … 9	1836.1	H	
4491	....	DM (27°) 1563	6 44	27 29	301.5	19.25	8.7…10.5	1903.93	β 2	
4492	Σ 1202	P VIII^h. 13	6 59	11 13	335.9	2.36	7.7… 9.8	1829.55	Σ 3	7.7 *white*
4493	Σ 1199 *rej.*	DM (51°) 1399	7 0	51 10	359.1	28±	8–9…12	1828+	H	
4494	β 204	L 16074	7 2	10 45	302.1	1.06	7.1…10.1	1875.89	Δ 4	
4495	Hu 624	DM (33°) 1660	7 3	33 32	235.6	1.37	9.0…13.0	1903.02	Hu 2	(*Bul L. O.* No. 57)
4496	Pritchett	DM (16°) 1667	7 6	16 0	345.7	1.11	....	1881.31	Pt 1	
4497	Σ 1200	O. Arg. N. 8750	7 9	50 8	0.7	8.40	8.5… 8.5	1830.26	Σ 3	*White*
4498	H 85	....	7 17:	− 1 1:	70±	15–20	11 …12	1820+	H	
4499	β 1243	*Cancri* 37	7 19	18 2	344.7	1.40	7.1…13	1891.23	β 2	A and B
					301.7	64.60	....	1898.31	β 2	A and C
4500	Σ 1203 *rej.*	DM (27°) 1567	7 25	27 32	237.5	18.95	8.4…11.5	1903.96	β 2	
4501	Σ 1193	*Camelopardali* 176	7 28	72 47	85.2	44.37	6.0… 9.0	1831.81	Σ 2	6.0 *very yel.*
4502	β 1244	DM (2°) 1904	7 31	2 21	50.3	0.74	7.9… 8.1	1891.23	β 3	
4503	H 778	....	7 31	− 1 37	135±	1½±	10 …11	1820+	H	(See p. 1071)
4504	Hu 115	SD (13°) 2439	7 35	−13 33	128.1	1.02	9.0…10.0	1900.30	Hu 3	(*A. J.* 485)
4505	OΣ 188	Rad^1. 2105	7 42	75 11	194.0	10.60	6.7…10.0	1847.30	OΣ 3	*Yellow*
4506	H 2435	....	7 45	− 5 24	202.2	3±	10–11…11	1830+	H	"In a fine cluster"
4507	β 904	SD (5°) 2435	7 52	− 5 23	81.3	3.12	8.4…10.0	1880.16	β 4	
4508	Σ 1204	DM (38°) 1889	7 58	38 51	103.9	11.82	8.0… 9.0	1829.30	Σ 2	
4509	Hd 115	....	8 :	− 5 25:	11.2	8.99	....	1868.25	Hd 1	
4510	Hd 116	....	8 :	− 5 25:	0.4	9.17	....	1868.25	Hd 1	
4511	Hd 117	....	8 :	− 5 25:	28.4	8.19	....	1868.25	Hd 1	
4512	H 779	....	8 4	−13 45	135±	....	....	1820+	H	A and B
					310±	....	....	1820+	H	A and C
4513	Σ 1206	DM (7°) 1945	8 15	7 32	199.0	13.23	9.0… 9.5	1830.90	Σ 3	
4514	♅ II. 87	....	8 36:	− 6 20:	176.2	....	....	1783.18	♅	
4515	H 2434	....	8 43	53 42	50.0	15±	10 …11	1830+	H	
4516	Σ 1207	DM (5°) 1918	8 54	5 55	191.2	10.51	8.0…11.0	1830.73	Σ 2	8.0 *wh.*
4517	β 1196	DM (60°) 1127	8 55	59 57	62.0	0.45	8.5…10.5	1890.97	β 2	
4518	H 442	....	9 0	26 38	10±	6±	9 …10	1820+	H	
4519	Ho 524	W^2 VIII^h. 147	9 4	19 4	343.7	3.88	8 …11	1894.27	Ho 2	(*A. N.* 3557)
4520	H 2436	....	9 11	14 16	169.9	16±	9–10…13	1830+	H	
4521	Σ 1209 *rej.*	DM (8°) 2014	9 15	8 0	142.1	20.15	8.9… 9.1	1903.89	β 3	
4522	H 780	DM (34°) 1793	9 22	34 10	200±	10±	9–10…10	1820+	H	A and B
					190±	5±	....	1820+	H	B and C
4523	H 2437	Cord. DM (29°) 5780	9 31	−29 26	43.5	20±	9–10…10	1830+	H	8.7 m. in C. DM
4524	Σ 1210	L 16166	9 33	3 10	113.5	15.80	7.2… 9.5	1829.22	Σ 2	7.2 *very wh.*
4525	A 546	SD (6°) 2531	8 9 39	− 6 45	68.1	0.25	9.1… 9.3	1903.90	A 3	(*Bul. L. O.* No. 50)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4526	Σ 1205	DM (56°) 1288	8^h 9^m 50^s	56°49′	185°.5	0″.78	8.5... 8.8	1831.96	Σ 3	
4527	Hu 625	DM (33°) 1670	9 57	33 12	350.9	1.78	8.8...11.2	1903.02	Hu 2	(*Bul. L. O.* No. 57)
4528	H 2438	SD (19°) 2313	9 59	−19 37	50±	15±	9–10...10–11	1830+	H	
4529	β 1065	*β Cancri*	10 0	9 33	294.7	29.14	3.5...14	1889.11	β 3	
4530	H 781	W^2 VIII^h. 164	10 3	26 44	315±	2½±	9 ...10	1820+	H	Double in A. G.
4531	Σ 1211	L 16151	10 23	39 22	132.7	1.64	8.7... 9.2	1831.27	Σ 3	*White*
4532	Hd 118	Cord. DM (24°) 6697	10 23	−24 30	0±	1½±	9½... 9½	1869.80	Hd	
4533	Σ 1212	DM (31°) 1779	10 35	31 12	233.7	5.44	8.2... 9.7	1829.26	Σ 3	8.2 *white*
4534	H 782	SD (11°) 2297	10 37	−11 11	240±	10±	9–10...10–11	1820+	H	
4535	H 86	....	10 56:	− 4 26:	230±	10–12	12 = 12	1820+	H	A and B
					95±	12±	...18	1820+	H	A and C
					245±	15±	...15	1820+	H	B and D
4536	Ho 39	DM (27°) 1580	10 59	27 46	348.2	6.17	9 ...10	1883.28	Ho 1	(*A. N.* 2778) (See p. 1071)
4537	β 905	O. Arg. S. 8288	10 59	−15 57	12.2	3.75	7.8...10.4	1879.72	β 4	
4538	β 102	L 16234	11 0	− 8 39	121.5	3.08	7.0...10.5	1875.41	Δ 3	
4539	β 454	O. Arg. S. 8295	11 4	−30 33	18.6	2±	8.0...10.0	1877.30	β 1	A and B
					287.5	19.12	...14	1898.27	See 1	A and C
4540	Hn 95	Cord. DM (28°) 5733	11 8	−28 25	168.3	3.73	9.0... 9.9	1888.93	Com 4	
4541	A 336	SD (5°) 2474	11 8	− 6 2	347.0	4.30	8.4...12.6	1902.20	A 4	(*Bul. L. O.* No. 29)
4542	Howe 21	L 16235	11 12	− 2 51	249.0	1.49	7.5...11.0	1879.27	Cin 1	From Cin^5
4543	A 337	SD (4°) 2288	11 19	− 5 0	64.0	0.27	7.9... 8.2	1902.22	A 3	(*Bul. L. O.* No. 29)
4544	H 4070	L 16257	11 19	−14 47	103.5	30±	7½...12	1836.2	H	
4545	β 906	L 16259	11 23	−15 52	187.1	3.45	8.2...10.8	1879.97	β 4	
4546	H 87	....	11 26:	6 52:	260 ?	4±	10 ...12	1820+	H	"Probably Σ 1213"
4547	Σ 1213	DM (6°) 1922	11 32	6 50	327.7	8.43	9.0...11.5	1830.90	Σ 3	
4548	H 444	DM (20°) 2045	11 33	19 59	95±	30±	8 ... 9	1820+	H	
4549	G.Anderson4	O. Arg. N. 8815	11 36	68 49	144.0	9.83	...13	1902.23	β 2	A and B 8.0 *yel.*
					321.7	19.72	8.0...10.0	1831.40	Σ 2	A and C AC= Σ 1908
4550	OΣ (App) 91	W^2 VIII^h. 207	11 50	35 25	225.7	92.49	6.6... 7.5	1875.24	Δ 3	
4551	Howe 22	Cord. DM (26°) 5810	12 26	−26 54	115.5	3.26	8.5... 9.0	1877.11	Cin 1	
4552	Hu 224	Rad^1. 2126	12 26	47 48	314.8	4.32	7.0...12.0	1898.92	Hu 3	A and B
					167.0	38.66	7.2... 8.5	1867.96	Δ 3	A and C AC= OΣ 190 *rej.*
					98.5	78.01	... 7.4	1967.99	Δ 3	A and D
4553	Hu 626	DM (32°) 1717	12 35	32 41	153.6	3.36	8.0...12.0	1903.02	Hu 2	(*Bul. L. O.* No. 57)
4554	H 2441	O. Arg. S. 8350	13 0	−19 54	145.2	10±	9–10...13	1830+	H	A and B
					151.8	10±	... 9–10	1830+	H	A and C
4555	H 4072	SD (19°) 2348	13 10	−19 35	178.1	8±	8½...13	1836.1	H	
4556	β 1320	DM (17°) 1820	13 12	17 23	0.2	4.80	9.5... 9.8	1904.02	β 3	A and BC AB= Σ 1214 *rej.*
					173.3	0.41	10 ...11	1904.04	β 1	B and C
4557	H 88	DM (−0°) 1960	13 20	− 0 22	130±	20±	9 ...13	1820+	H	
4558	H 2439	....	13 25	59 52	107.0	2½±	11 ...14	1830+	H	"Difficult"
4559	H 2440	....	13 29	50 57	267.0	3±	12 ...13	1830+	H	
4560	H 89	....	13 44:	12 55:	130±	20±	10 ...11	1820+	H	
4561	β 576	L 16300	13 59	34 19	143.1	1.48	7.0...13	1878.05	β 1	
4562	β 907	SD (12°) 2462	14 4	−12 27	57.8	0.82	8.5...10.7	1879.74	β 2	
4563	Arg. 18	O. Arg. N. 8866	14 7	64 32	40±	15±	9 ... 9	....	β	
4564	H 783	DM (7°) 1960	14 11	7 1	70±	15±	9 ...10	1820+	H	
4565	OΣ (App) 92	Rad^1. 2128	14 14	57 48	177.9	57.91	7.5... 9.0	1875.95	Δ 3	
4566	H 445	DM (25°) 1907	14 26	25 46	177±	9±	9 ...10	1820+	H	
4567	Σ 1215 *rej.*	....	14 33	1 49	348.8	14±	11–12...12	1831+	H	
4568	A 338	SD (4°) 2306	14 43	− 4 47	340.0	0.29	8.5... 8.5	1902.47	A 3	(*Bul. L. O.* No. 29)
4569	H 1160	....	15 10	47 9	155±	20±	9 ...12	1828+	H	Probably DM (47°) 1572
4570	Σ 1216	L 16375	15 15	− 1 13	115.2	0.45	7.5... 8.2	1831.24	Σ 5	*White*
4571	H 4078	Cord. DM (23°) 7157	15 30	−23 43	132.9	12±	8½...11	1835.2	H	
4572	A 547	A. G. Leiden 3501	15 34	30 25	238.0	1.68	9.0... 9.3	1903.32	A 3	(*Bul. L. O.* No. 50)
4573	A 548	A. G. Leiden 3502	8 15 35	30 55	256.7	2.28	8.8...14.5	1903.34	A 2	(*Bul. L. O.* No. 50)

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4574	H 90	....	$8^h\ 15^m\ 39^{:s}$	$-\ 3°25{:}'$	135° ±	15″ ±	....	1820+	H	A and B
					320 ±	50 ±	....	1820+	H	A and C
4575	H 2442	....	15 42	47 45	88.5	15 ±	11 ...12	1830+	H	
4576	Σ 1217	DM (45°) 1576	15 56	45 21	241.0	29.80	7.2... 8.7	1830.29	Σ 3	*7.2 yel'sh. wh.*
4577	Ho 525	DM (20°) 2070	16 6	20 24	150.5	0.39	8.5... 8.5	1895.30	Ho 2	A and B (*A. N.* 3557)
					155.3	37.08	...12	1895.30	Ho 2	AB and C
4578	Σ 1218	DM (23°) 1944	16 22	23 34	269.0	4.34	8.5...10.0	1831.03	Σ 4	
4579	H 91	....	16 32:	12 28:	60 ±	15 ±	13 ...14	1820+	H	
4580	Σ 1219	DM (8°) 2042	16 32	8 1	260.0	11.57	8.5... 8.5	1834.22	Σ 3	*White*
4581	S 565	Rad^r. 2132, 2133	16 35	42 24	164.8	73.04	7 ...10	1824.67	S 2	
4582	Hu 116	SD (10°) 2495	16 51	−10 18	170.5	1.82	9.0... 9.4	1900.28	Hu 3	A and B
					7.0	16.92	... 9.8	1900.26	Hu 2	AB and C
4583	H 2443	DM (52°) 1306	17 11	51 58	324.4	12 ±	9–10...14	1830+	H	
4584	A 549	SD (6°) 2566	17 15	− 6 26	145.2	4.20	8.5...11.0	1903.86	A 2	(*Bul. L. O.* No. 50)
4585	Ho 526	Cord. DM (26°) 5940	17 22	−26 6	84.6	1.34	10 ...10	1890.25	Ho 1	(*A. N.* 3557)
4586	H 3309	....	17 25	62 59	129.4	18 ±	9 ... 9–10	1831+	H	
4587	Ho 353	P VIII^h. 60	17 46	−25 58	223.5	32.21	6.0...13	1890.25	Ho 2	
4588	OΣ 191 *rej.*	L 16452	17 52	20 32	191.0	37.50	7.0... 8.3	1867.69	Δ 3	*White: blue*
4589	Σ 1221	DM (14°) 1887	17 53	14 4	111.1	5.12	9.1...10.3	1829.24	Σ 6	
4590	Ho 527	Cord. DM (26°) 5951	17 53	−26 6	*sp*	10 ±	9 ...12	1890.25	Ho	(*A. N.* 3557)
4591	Σ 1220	DM (24°) 1921	18 9	24 44	208.3	29.89	8.0... 9.5	1828.77	Σ 2	*Yel'sh wh.*
4592	H 446	DM (31°) 1810	18 18	31 28	350 ±	18 ±	9 ...11	1820+	H	"Small star *blue*"
4593	β 1066	L 16489	18 31	9 49	187.7	2.25	6.8...13.2	1889.12	β 3	
4594	Σ 1222	DM (38°) 1908	18 31	37 56	46.6	10.04	8.0... 9.0	1830.26	Σ 2	*White*
4595	Espin 18	DM (42°) 1870	18 49	42 30	236.6	12.24	8.5... 9.2	1892.11	Es 1	(*A. N.* 3717)
4596	H 4088	Lac. 3298	18 52	−28 35	290 ±	25 ±	6 ...11	1834+	H	7 m. in O. Arg. S.
4597	S 566	*φ Cancri*	19 10	28 17	21.8	120.94	6½...11	1825.18	S 2	*White*
4598	*Schj.* 9	DM (6°) 1951	19 24	6 21	150.2	3.69	10.2...10.5	1873.74	Δ 2	
4599	Hu 714	DM (32°) 1731	19 26	32 35	57.6	0.38	8.5... 9.0	1902.77	Hu 1	
4600	♅ V. 109	*Cancri* 64	19 29	7 57	325.0	35.40	6 ...12	1783.14	♅ 1	
4601	Σ 1223	ϕ^2 *Cancri*	19 32	27 20	212.0	4.56	6.0... 6.5	1829.45	Σ 7	*White*
4602	Σ 1224	υ^1 *Cancri*	19 32	24 56	37.3	5.84	6.0... 7.1	1830.76	Σ 9	*White*
4603	H 2446	Cord. DM (30°) 6203	19 35	−30 15	103.5	20 ±	9 = 9	1830+	H	
4604	H 786	....	19 37	−15 50	315 ±	5 ±	11 ...12	1820+	H	
4605	*Schj.* 10	DM (0°) 2294	19 38	− 0 1	....	45 ±	7.5... 9	....	....	
4606	♅ VI. 118	30 *Monocerotis*	19 40	− 3 31	....	90.90	....	1783.11	♅	
4607	Σ 1226	DM (4°) 1974	19 52	4 54	145.7	2.32	8.0...10.6	1833.25	Σ 4	8.0 *wh.*
4608	S 568	O. Arg. S. 8506	19 54	−23 39	85.0	40.63	6 ... 9	1825.16	S 3	
4609	β 1067	*o Ursae Majoris*	20 17	61 7	191.4	7.01	3.5...15.2	1889.22	β 3	
4610	Σ 1227	DM (23°) 1960	20 21	23 33	163.4	24.64	7.5... 8.8	1828.94	Σ 3	7.5 *very wh.*
4611	Σ 1228	W^2 VIII^h. 431	20 22	27 57	352.0	8.93	8.0... 8.5	1828.28	Σ 2	*Very wh.*
4612	....	2 *Hydrae*	20 27	− 3 36	3.1	72.10	6.6...10.4	1903.18	β 3	
4613	Σ 1229 *rej.*	DM (2°) 1972	20 33	2 49	120.6	20 ±	9–10...12	1831+	H	From H (VI)
4614	H 448	W^2 VIII^h. 442	20 33	21 51	320 ±	25 ±	8 ... 9	1820+	H	"A neb. in the field 2' dist."
4615	OΣ 193	L 16548	20 34	33 55	295.1	14.20	7.0...11.0	1851.02	OΣ 4	
4616	Hu 715	DM (35°) 1828	20 37	35 28	185.9	2.57	8.5...12.5	1902.77	Hu 1	
4617	Hn 96	SD (22°) 2265	20 39	−22 19	343.0	3.22	9.3...11.3	1888.53	Com 3	
4618	H 2445	DM (52°) 1313	20 43	52 27	164.3	28 ±	8–9...13	1830+	H	
4619	H 2444	....	20 47	60 0	33.3	5 ±	10 ...14	1830+	H	"A third star 20" dist."
4620	Σ 1225	O. Arg. N. 9099	20 55	51 36	194.2	3.48	8.5... 8.5	1831.25	Σ 3	*White*
4621	Ho 528	Cord. G. C. 11312	21 13	−31 47	*sp*	12 ±	7.2...12	1894.18	Ho	(*A. N.* 3557)
4622	H 2448	DM (14°) 1896	21 35	14 2	297.7	18 ±	9–10...11–12	1830+	H	
4623	Arg. 19	O. Arg. S. 8544	21 36	−21 15	270 ±	12 ±	9 ... 9	1875	β	
4624	Σ 1230	DM (17°) 1852	21 37	17 15	194.1	28.00	8.3...10.0	1829.18	Σ 3	8.3 *wh.*
4625	H 2449	....	21 38	−26 19	200.0	7 ±	11 = 11	1830+	H	
4626	H 92	....	8 21 41:	4 52:	....	15 ±	10 ...11	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4627	A 550	SD (3°) 2356	8^h 21^m 41^s	− 4° 1′	189°.7	0″.16	7.5... 7.5	1903.04	A 2	(*Bul. L. O.* No. 50)
4628	H 2447	....	21 46	52 36	270.6	18±	11 ...14	1830+	H	
4629	H 93	DM (12°) 1846	21 53	12 36	285±	15±	10 = 10	1820+	H	
4630	H 5473	....	22 20	6 3	175±	5±	15 ...16	1823+	H	
4631	H 2450	....	22 22	14 6	170±	....	9–10 = 9–10	1830+	H	
4632	Σ 1231	DM (31°) 1819	22 23	31 46	210.6	24.82	8.2... 8.7	1828.29	Σ 2	*Very wh.*
4633	H 787	W^1 VIII^h. 551	22 23	− 6 21	295±	20±	9 ...11	1820+	H	A and B
					260±	8±	...11+	1820+	H	B and C
4634	A 551	P VIII^h. 81	22 26	− 2 7	59.7	0.24	7.4... 7.5	1903.04	A 3	A and B (AC = Σ 1233)
					331.5	18.20	7.2...11.5	1828.71	Σ 2	AB and C
4635	A. G. 152	DM (20°) 2095	22 31	20 50	....	....	8.5...	....	....	
4636	Weisse 19	W^2 VIII^h. 482	22 37	26 36	....	3±	7–8... 9	....	....	
4637	H 450	DM (18°) 1950	22 46	18 22	295±	3±	10 = 10	1820+	H	"Neat double star"
4638	OΣ 192 *rej.*	Rad.^{1} 2146	22 50	75 8	233.3	1.83	6.5...10.0	1871.11	Δ 5	6.5 *yel.*
4639	Arg. 20	O. Arg. S. 8579	23 15	−17 8	172.4	15.30	8.2... 8.5	1877.15	Cin 2	
4640	H 2451	DM (23°) 1966	23 30	23 2	186.4	15±	10 ...10–11	1830+	H	
4641	Hu 627	DM (35°) 1833	23 31	34 55	266.0	0.88	9.0...10.0	1902.99	Hu 2	
4642	H 94	....	23 33:	− 3 36:	225±	15–20	11 = 11	1820+	H	
4643	Σ 1237	DM (8°) 2068	23 36	8 49	177.0	5.40	9.0...11.8	1831.23	Σ 3	
4644	H 788	....	23 41	28 41	220±	4±	10 ...10+	1820+	H	
4645	Σ 1234	DM (55°) 1284	23 51	55 46	71.3	20.76	7.0... 8.3	1831.01	Σ 3	7.0 *yel.*
4646	H 95	....	23 55:	5 52:	315±	25±	11 = 11	1820+	H	
4647	Hu 716	DM (35°) 1834	23 56	35 22	106.3	0.44	7.0... 8.5	1902.77	Hu 1	
4648	Σ 1236	DM (32°) 1746	23 57	32 20	116.9	35.79	8.0... 8.5	1828.30	Σ 2	*White*
4649	H 789	SD (9°) 2536	24 4	− 9 51	40±	5±	10 ...12	1820+	H	"In the same field"
4650	H 790	SD (9°) 2540	24 13	− 9 50	210±	7±	11 ...12	1820+	H	
4651	Σ 1238	DM (33°) 1705	24 23	33 33	319.6	29.74	8.0... 9.7	1828.29	Σ 2	8.0 *white*
4652	Σ 1232	DM (66°) 560	24 24	66 41	350.2	31.09	8.0... 8.2	1832.02	Σ 3	*White*
4653	H 4100	SD (17°) 2522	24 39	−17 57	179.3	20±	9½...11	1836.1	H	8.0 m. in SD
4654	Σ 1239	DM (37°) 1873	24 42	37 54	289.0	12.66	8.5... 9.8	1829.27	Σ 3	8.5 *white*
4655	H 2452	*θ Cancri*	24 45	18 30	61.3	60±	5–6...10	1830+	H	*Yellow: blue*
4656	Σ 1235	DM (57°) 1152	24 47	57 20	79.8	1.09	8.0...10.0	1831.95	Σ 3	8.0 *white*
4657	Hu 717	DM (32°) 1752	25 4	32 52	57.6	0.38	8.5... 9.0	1902.77	Hu 1	
4658	S 569	Cord. DM (25°) 6174	25 13	−25 38	341.6	39.72	8 ...10	1825.14	S 2	10 *blue*
4659	H 1161	DM (46°) 1413	25 14	46 20	30±	8±	10 ...13	1828+	H	
4660	Σ 1240	L 16737	25 37	33 50	70.4	22.15	7.2...10.2	1830.63	Σ 3	7.2 *white*
4661	H 452	....	26 0	29 53	315±	25±	....	1820+	H	"Points to a very faint neb. 5^s *p*."
4662	Σ 3119	W^1 VIII^h. 638	26 7	8 54	213.6	24.82	8.0...11.0	1830.20	Σ 4	8.0 *yel.*
4663	Σ 1241 *rej.*	DM (6°) 1983	26 15	6 7	....	Cl. III	....	....	Σ	From *Cat. Nov.*
4664	H 96	Mü I 3290	26 16	− 0 32	20±	30±	9 ... 9	1820+	H	A and B (See p. 1071)
					145±	40±	... 9	1820+	H	A and C
4665	Σ 1242	DM (47°) 1594	27 36	47 32	170.5	2.54	8.6... 9.3	1832.51	Σ 5	*White*
4666	Σ 1243	W^1 VIII^h. 675	27 41	2 0	221.4	1.99	8.0...10.3	1830.90	Σ 3	8.0 *white*
4667	H 97	DM (13°) 1942	27 48	13 18	275±	7–8	10 ...10½	1820+	H	
4668	β 205	O. Arg. S. 8685	27 54	−24 12	310±	0.5±	7 ... 7	1874.19	β	
4669	A. G. 153	A. G. Lund 4289	27 57	35 1	90.2	2.85	9.0... 9.1	1902.81	β 2	
4670	H 2453	SD (5°) 2572	27 58	− 5 38	90.0	10±	9 ...13	1830+	H	"A third 10 m. *p*."
4671	Ku 31	DM (7°) 1996	28 1	7 36	15.5	6.00	9.6...10.2	1901.67	Ku 2	Kustner (3821)
4672	Hu 117	SD (11°) 2388	28 13	−11 48	2.2	1.50	8.5...13.0	1900.21	Hu 2	(*A. J.* 485)
4673	H 2454	....	28 34	− 6 12	216.5	4±	11 = 11	1830+	H	
4674	H 791	....	28 40	32 58	55±	2½±	12 = 12	1820+	H	
4675	Σ 1246	W^1 VIII^h. 721	29 23	10 19	114.1	10.28	8.4... 9.4	1829.19	Σ 4	8.4 *yel'sh*
4676	H 2456	....	29 27	19 6	141.3	10±	11 ...13	1830+	H	
4677	Σ 1245	P VIII^h. 108	29 29	7 2	25.4	10.33	6.0... 7.0	1832.95	Σ 6	*Yel'sh: yel'sh red*
4678	OΣ (App) 94	W^1 VIII^h. 723	29 31	14 12	132.7	43.54	7.2... 7.7	1875.05	Δ 3	
4679	Σ 1244	DM (42°) 1903	8 29 38	42 13	5.8	3.58	8.2... 9.8	1831.93	Σ 3	8.2 *yel'sh*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4680	**Σ 1247** *rej.*	DM (5°) 2006	8^h 29^m 43^s	5° 47′	15°.7	27″.96	9.6...10.5	1902.95	β 1	A and B
					158.6	60.07	...10.5	1902.95	β 1	A and C
4681	**H 2458**	....	29 49	3 56	326.1	15±	10 ...11	1830+	H	
4682	**A. G. 154**	A. G. Berlin B 3449	29 53	23 40	5.4	1.72	9.1... 9.3	1901.34	Ku 2	
4683	**H 3310**	DM (15°) 1855	30 4	15 30	67.7	8±	10 ...12	1831+	H	
4684	**β 206**	Cord. G. C. 11565	30 17	−24 42	278.6	1.5±	8.0... 9.0	1874.19	β 1	
4685	**H 2457**	....	30 30	47 54	265.0	10±	10 ...12	1830+	H	"Triple"
					289.7	23±	...13	1830+	H	
4686	**H 2455**	....	30 36	59 5	341.4	4½±	10 ...12	1830+	H	
4687	**H 792**	....	30 41	−11 11	100±	6±	11 ...15	1820+	H	
4688	**Σ 1249** *rej.*	....	30 43	20 9	....	Cl. III	8 ... 8	....	Σ	From *Cat. Nov.*
4689	**H 454**	W^2 VIII^h. 713	30 48	19 56	268±	30±	8 ...14	1820+	H	
4690	**Hn 97**	DM (14°) 1934	30 56	14 40	65.9	5.37	11.0...11.0	1888.27	Com 4	
4691	**Innes 355**	....	31 :	−20 43:	50±	0.8±	....	1900.3	I	(*M. N.* LXII, 475)
4692	**H 453**	DM (34°) 1874	31 [illegible]	34 54	105±	20±	9 ...20	1820+	H	
4693	**Σ 1250**	DM (52°) 1327	31 27	52 13	167.4	21.72	8.8... 8.8	1831.63	Σ 3	*White*
4694	**H 98**	....	31 28:	− 2 1:	105±	2±	11 = 11	1820+	H	
4695	**A 339**	SD (5°) 2590	31 31	− 6 3	8.8	1.99	8.1...12.8	1902.21	A 3	(*Bul. L. O.* No. 29)
4696	**Σ 1251**	DM (41°) 1866	31 50	41 43	29.2	6.17	9.0... 9.7	1830.96	Σ 3	
4697	**Σ 1248**	DM (62°) 1010	31 56	62 27	208.6	18.09	8.3... 8.8	1831.70	Σ 3	*Very wh.*
4698	**H 2459**	....	31 57	23 31	237.2	3±	11 ...11–12	1830+	H	"A third 10 m. 60″ *np.*"
4699	**H 99**	L 17008	31 59	− 6 23	220±	80±	....	1820+	H	"Both large stars"
4700	**Innes 68**	Cord. 8^h. 2571	32 1	−30 24	67.2	7.49	8.8...10.3	1902.17	I 2	
4701	**S 570**	B. A. C. 2906	32 13	20 6	83.5	57.52	8½... 9½	1825.15	S 3	A and B
					344.7	177.98	... 9	1825.14	S 2	A and C
4702	**Σ 1252** *rej.*	DM (8°) 2097	32 24	8 36	51.2	18.33	9.5...10.0	1904.03	β 2	
4703	**H 2461**	SD (5°) 2597	32 34	− 5 21	96.9	15±	9–10 = 9–10	1830+	H	
4704	**H 793**	DM (35°) 1856	33 2	35 33	265±	8±	10 ...13	1820+	H	9.0 m. in DM
4705	**β 584**	P VIII^h. 124	33 3	19 58	291.0	1.61	8.0...12.0	1878.05	β 2	A and B
					157.0	45.04	7½... 8	1825.13	S 2	A and C
					241.0	92.26	... 6	1825.13	S 2	A and D
					87.9	99.72	....	1875.07	Δ 3	D and C
4706	**H IV. 60**	....	33 12:	65 11:	....	30±	....	....	H	Place uncertain
4707	**H 2460**	DM (55°) 1290	33 15	55 2	28.8	20±	9 ...11	1830+	H	9.3 m. in DM
4708	**β 207**	L 17091	33 16	−19 19	103.6	4.32	6.5...10.5	1876.08	Δ 3	6.5 *red*
4709	**Σ 1255**	L 17050	33 20	6 12	31.1	26.56	7.0 ...8.0	1831.24	Σ 3	*Yel'sh wh.: wh.*
4710	**Σ 1254**	P VIII^h. 129	33 29	20 6	53.9	20.52	6.5... 9.0	1831.31	Σ 3	A and B 6.5 *very yel.*
					342.2	63.36	... 7.0	1863.19	Δ 1	A and C
					43.5	82.47	... 8.0	1863.19	Δ 1	A and D
4711	**S 574**	ε *Cancri*	33 34	19 58	249.0	132.80	6 ... 7	1825.13	S 2	
4712	**H 3311**	....	33 50	16 5	150.6	12±	11 ...11–12	1830+	H	
4713	**S 572**	W^2 VIII^h. 813	33 50	20 8	89.7	75.95	7 ... 9	1825.14	S 2	
4714	**β 208**	L 17103	33 53	−22 16	30.4	1.4±	6.0... 9.0	1874.19	β 1	
4715	**β 585**	*Cancri* 109	34 20	20 54	106.4	0.40	7.5... 9.0	1878.10	β 1	
4716	**See 101**	O. Arg. S. 8828	34 21	−27 58	91.5	7.21	8 ...11.8	1897.83	See 1	
4717	**Ku 32**	DM (19°) 2078	34 26	19 42	172.1	2.13	8.4...10.2	1902.14	Ku 2	Kustner (3821)
4718	**Σ 1256**	DM (49°) 1758	34 29	49 44	212.3	25.49	7.8... 9.3	1830.26	Σ 3	7.8 *yel'sh*
4719	**H 4120**	*f Mali*	34 43	−29 8	40±	50±	5½...11	1837.1	H	
4720	**A 340**	SD (5°) 2608	34 47	− 5 16	300.9	2.01	9.0...12.8	1902.21	A 3	(*Bul. L. O.* No. 29)
4721	**Σ 1262**	DM (24°) 1976	34 54	24 14	201.7	6.62	8.0...10.0	1830.24	Σ 3	8.0 *white*
4722	**Hu 118**	SD (14°) 2612	34 54	−14 14	324.4	1.80	9.0...10.5	1900.00	Hu 3	(*A. J.* 485)
4723	**Σ 1258**	P VIII^h. 131	34 56	49 18	331.4	9.62	7.1... 7.4	1830.75	Σ 5	*White*
4724	**Σ 1260**	W^1 VIII^h. 891	34 59	−11 45	301.4	4.91	7.8... 8.3	1830.89	Σ 3	*White*
4725	**H 102**	....	34 59:	− 1 46:	120±	6±	11 ...14	1820+	H	
4726	**H 101**	....	35 0:	11 21:	50±	4±	11 ...11+	1820+	H	
4727	**Σ 1261**	SD (11°) 2426	8 35 1	−11 30	301.9	29.84	7.5...10.2	1831.90	Σ 3	7.5 *yel'sh*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4728	**H 2462**	DM (12°) 1891	8^h 35^m 6^s	12°36′	20° ±	12′ ±	9 ... 9–10	1830+	H	"P est. by diagram"
4729	**H 103**	....	35 17:	− 1 48:	295±	6±	11 ...14	1820+	H	
4730	**β 209**	W^2 VIII^h. 849	35 24	39 14	355.4	1.56	8.4... 8.7	1875.77	Δ 4	
4731	**Ho 354**	W^2 VIII^h. 865	35 34	26 29	176.1	0.68	8.2... 8.8	1891.97	Ho 3	
4732	**H 794**	....	35 52	29 43	150±	4±	10 ...11	1820+	H	
4733	**Σ 1257** *rej.*	DM (65°) 658	35 58	65 53	....	Cl. IV	7 ...11	....	Σ	
4734	**H 4124**	9 *Hydrae*	36 9	−15 31	122.8	35±	5 ...14	1834+	H	
4735	**Σ 1264**	SD (7°) 2583	36 24	− 7 58	269.7	5.78	9..0.. 9.0	1828.89	Σ 3	
4736	**Σ 1253**	DM (72°) 429	36 28	72 27	243.8	25.85	8.0...10.0	1831.85	Σ 2	8.0 *yel'sh*
4737	**H VI. 107**	*Monocerotis* 201	36 35	− 8 4	150±	90±	....	1782	H	
4738	**Ho 529**	O. Arg. S. 7143	36 36	−17 0	343.0	0.44	7.6... 7.6	1894.17	Ho 1	(*A. N.* 3557) (See p. 1071)
4739	**Ho 355**	L 17186	36 54	− 2 16	184.4	0.39	8 ... 8	1892.75	Ho 2	
4740	**H 455**	DM (31°) 1870	37 4	30 55	350±	8±	9 ...10	1820+	H	
4741	**Σ 1266**	DM (28°) 1640	37 12	28 53	63.5	23.46	8.0... 9.2	1830.51	Σ 4	8.0 *white*
4742	**Σ 1265**	DM (14°) 1963	37 14	14 3	311.4	5.85	8.4...10.8	1829.94	Σ 4	
4743	**Σ 1263**	DM (42°) 1922	37 17	42 8	4.1	5.43	7.6... 8.2	1829.46	Σ 2	*Yel'sh wh.: wh*
4744	**Kr 30**	A. G. Hels. 5678	37 29	58 8	117.1	1.45	9.5... 9.5	1891.12	β 1	
4745	**H 2463**	....	37 39	−25 37	311.5	8±	10 ...11	1830+	H	
4746	**S 579**	31 *Monocerotis*	37 46	− 6 48	308.6	77.92	6 ... 9	1824.02	S 2	
4747	**H 457**	δ *Cancri*	37 54	18 36	160±	25±	5 ...15	1820+	H	
4748	**A 552**	SD (3°) 2454	38 4	− 3 46	49.2	0.24	7.5... 8.5	1903.04	A 2	(*Bul. L. O.* No. 50)
4749	**H 2464**	....	38 27	−27 49	355.3	12±	10 ...11	1830+	H	
4750	**H 104**	....	38 32:	14 0:	255±	25±	10 ...11	1820+	H	
4751	**H 105**	....	38 38:	13 42:	245±	20±	11 ...12	1820+	H	
4752	**A 553**	A. G. Camb. 4681	38 40	29 27	70.4	2.44	9.0...12.3	1903.16	A 3	(*Bul. L. O.* No. 50)
4753	**Σ 1259**	W^2 VIII^h. 937	38 51	38 56	340.9	4.97	8.5... 9.0	1829.94	Σ	*White*
4754	**Σ 1267** *rej.*	DM (4°) 2034	38 54	4 39	60.5	12±	11 ...11+	1830+	H	
4755	**H 3312**	....	38 59	16 40	183.5	3½±	12 = 12	1831+	H	
4756	**Hd 119**	....	39 :	−28 27	20±	1.5±	9 ...11	1870.18	Hd 1	
4757	**Kr 31**	A. G. Hels. 5684	39 2	63 38	278.4	6.91	9.5... 9.8	1891.12	β 1	
4758	**Ho 251**	W^2 VIII^h. 953	39 3	25 45	151.1	3.73	8.5...12.2	1887.28	Ho 2	
4759	**H 795**	....	39 4	−10 18	5±	3±	10–11...12	1820+	H	
4760	**Σ 1270**	P VIII^h. 160	39 17	− 2 10	259.1	4.70	6.6... 7.6	1830.98	Σ 4	*Yel'sh wh.: bluish*
4761	**Σ 1269**	DM (19°) 2000	39 21	19 41	128.2	11.48	9.5... 9.7	1827.73	Σ 2	*White*
4762	**See 106**	Cord. G. C. 11831	39 23	−23 21	224.4	17.47	6 ...12	1897.83	See 2	A and B
					333.0	3.24	....	1897.83	See 2	B and C
4763	**Σ 1268**	ι *Cancri*	39 26	29 12	307.1	30.46	4.4... 6.5	1828.04	Σ 4	*Yel.: bluish*
4764	**H 4131**	DM (16°) 1814	39 34	16 15	144.2	20±	10 = 10	1836.2	H	
4765	**H 2465**	SD (4°) 2445	39 45	− 4 19	90.0	14±	10 ...11	1830+	H	
4766	**Hu 119**	SD (13°) 2668	39 46	−13 40	356.5	2.80	8.4... 9.3	1900.24	Hu 3	(*A. J.* 485)
4767	**H 458**	DM (27°) 1667	39 53	27 11	305±	15±	9 ...12	1820+	H	
4768	**Doo —**	....	40 0	56 38	242.8	38.84	9.0...11.5	1898.30	Doo 1	A and B (*Pub. Flower Obsy.* I)
					120.4	6.55	...12	1898.30	Doo 1	A and C
4769	**H 796**	SD (6°) 2718	40 2	− 6 17	140±	12±	9 ...11	1820+	H	
4770	**H 3313**	DM (1°) 2163	40 9	1 5	57.5	35±	8 ...11	1831+	H	7.3 m. in DM
4771	**Schiaparelli**	ε *Hydrae*	40 25	6 52	142.0	0.21	4.0... 5.5	1888.28	Sp 6	A and B AC *yel.: blue* AC = Σ 1273
					195.6	3.20	3.8... 7.8	1830.60	Σ 9	AB and C
					192.0	20.05	...12.5	1878.60	β 2	AB and D
4772	**See 105**	Cord. DM (26°) 1641	40 28	−26 42	116.7	22.99	7 ...14.5	1897.85	See 1	A and B
					146.2	22.98	...14.5	1897.85	See 1	A and C
					246.3	22.93	...14.5	1897.85	See 1	A and D
4773	**Hu 120**	SD (13°) 2670	40 30	−13 55	61.0	0.45	8.5... 8.8	1900.24	Hu 2	(*A. J.* 485)
4774	**Σ 1276**	L 17294	40 38	11 36	354.3	12.50	7.9... 8.1	1831.45	Σ 5	*White*
4775	**Σ 1277** *rej.*	DM (9°) 2052	40 38	9 11	....	III–IV	9 ...10	....	Σ	From *Cat. Nov.*
4776	**Σ 1272**	L 17271	40 44	35 3	342.8	20.33	7.7... 9.2	1831.30	Σ 2	7.7 *very wh.*
4777	**Σ 1271**	DM (56°) 1337	8 40 58	56 39	59.3	1.41	8.6... 9.7	1832.39	Σ 4	8.6 *yel'sh*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4778	Σ 1274	*Lyncis* 129	$8^h 41^m 16^s$	38° 47′	40°.8	8″.89	7.0... 8.7	1830.26	Σ 2	*Very wh.: ash*
4779	H 4135	W^2 VIII^h. 1006	41 19	17 50	49.8	30±	7 ...15	1836.2	H	
4780	Hu 458	DM (20°) 2219	41 20	20 5	197.9	1.56	9.0...12.5	1902.34	Hu 2	(*Bul. L. O.* No. 21)
4781	Hu 121	SD (10°) 2642	41 22	−10 27	98.4	3.93	8.8...11.8	1900.24	Hu 3	(*A. J.* 485)
4782	Σ 1281	DM (0°) 2393	41 26	0 28	329.6	25.02	7.8... 8.9	1833.48	Σ 5	*Yel'sh wh.*
4783	β 586	*Monocerotis* 237	41 49	−16 37	53.2	0.75	6.5... 9.0	1878.15	β 1	
4784	Kr 32	A. G. Hels. 5704	41 49	63 34	190.3	4.40	9.0... 9.0	1891.12	β 1	
4785	β 335	L 17341	41 58	3 4	268.3	2.72	7.2...10.5	1875.99	Δ 2	
4786	A. G. Clark 3	ρ *Hydrae*	42 5	6 17	144.9	12.40	5 ...12.5	1878.07	β 3	
4787	OΣ 194	L 17347	42 8	1 0	58.3	12.43	7.0...10.5	1849.24	OΣ 2	7.0 *yel.*
4788	Σ 1275	DM (58°) 1153	42 9	57 58	196.1	1.97	8.0... 8.0	1832.28	Σ 4	A and B } AB *wh.*
					73.0	35±	...(12)	1830+	H	A and C
4789	Σ 1279	DM (40°) 2111	42 10	40 2	273.6	1.60	8.3... 8.3	1831.93	Σ 3	*White*
4790	Σ 1278	DM (49°) 1776	42 14	49 47	125.6	8.43	8.0...10.0	1829.75	Σ 2	8.0 *white*
4791	H 106	....	42 27:	− 3 31:	340±	....	6 ...	1820+	H	
4792	Ħ IV. 118	....	42 30:	29 3:	65±	24.10	....	1783.10	Ħ 1	
4793	W. Z. 3	Z 86, No. 40	42 33	−27 55	286.2	18.93	8.5... 8.5	1877.12	Cin 1	
4794	H 2467	....	42 53	11 44	196.2	7±	10 ...11	1830+	H	
4795	β 1068	L 17381	43 2	9 19	189.9	0.45	7.7... 8.8	1889.19	β 3	A and B
					313.0	17.80	...12.8	1889.14	β 2	AB and C
4796	H 2468	W^1 VIII^h. 1078	43 5	− 4 48	348.1	20±	8 ...12	1830+	H	
4797	A. G. 155	DM (25°) 1997	43 10	25 2	....	....	8.8...	....	....	
4798	Σ 1282	*Lyncis* 130	43 13	35 31	277.4	3.40	7.0... 7.0	1830.06	Σ 4	*Yel'sh wh.: very wh.*
4799	Ku 33	DM (18°) 2050	43 14	18 19	98.3	8.65	9.8...10.1	1902.22	Ku 2	Kustner (3821)
4800	Σ 1283	W^2 VIII^h. 1043	43 15	15 17	123.3	16.46	7.0... 8.0	1829.23	Σ 3	*White*
4801	H 797	....	43 15	−14 10	230±	15±	9 ...10	1820+	H	
4802	A. G. 156	A. G. Lund 4382	43 19	34 44	251.6	10.67	9.3... 9.3	1902.81	β 2	
4803	H 4140	....	43 24	−12 58	280.1	6±	9½...10	1836.2	H	
4804	A. G. 157	A. G. Berlin B 3559	43 27	23 35	75.5	2.05	9.3... 9.5	1901.34	Ku 2	
4805	H 2469	....	43 35	12 45	151.8	6±	10 ...11–12	1830+	H	
4806	β 1069	L 17416	43 41	−10 34	60.8	2.13	6.6...11	1889.09	β 3	
4807	H 459	....	43 41	31 18	100±	15–20	10 = 10	1820+	H	"Points to a neb. 8′ *f.*"
4808	Ho 40	DM (31°) 1891	43 41	31 51	272.3	0.55	9.0... 9.3	1884.74	Ho 2	
4809	H 2470	....	43 47	11 49	350±	14±	14 ...14	1830+	H	"Pos. est. from diagram"
4810	H 4141	....	43 51	−28 21	329±	8±	9½...10	1835.1	H	
4811	Bowyer 2	....	44 :	8 43:	43.9	3.06	....	1901.28	Bow 1	(*M. N.* LXII, 388)
4812	Ho 356	Cord. G. C. 11963	44 8	−25 59	264.5	0.81	8.2... 8.5	1890.29	Ho 1	
4813	H 2471	....	44 10	− 6 49	28.5	5±	10–11...14	1830+	H	
4814	H 3314	....	44 18	0 25	134.5	15±	10 ...10	1831+	H	
4815	Σ 1280	O. Arg. N. 9342	44 22	71 16	33.9	7.43	7.5... 7.6	1831.90	Σ 4	*Yel'sh*
4816	H 107	*Monocerotis* 241	44 23	− 3 44	65±	20–25	....	1820+	H	*Pale yellow: blue*
4817	Σ 1286 *rej.*	DM (4°) 2056	44 24	4 28	81.5	20±	10 ...12	1830+	H	
4818	Σ 1285	DM (21°) 1925	44 26	21 20	338.9	26.19	9.0... 9.7	1836.28	Σ 2	
4819	OΣ (App) 96	DM (26°) 1855	44 48	26 11	313.8	41.91	7.0... 8.0	1875.06	Δ 3	A and B
					259.5	....	...11.0	1874.04	Δ 2	A and C
					184.6	....	....	1874.04	Δ 2	B and C
4820	Perrotin	DM (8°) 2132	44 49	8 47	349.3	0.78	7.5... 8.7	1884.20	Per 2	
4821	Σ 1287	DM (12°) 1925	44 53	12 35	99.4	1.40	8.0...10.3	1830.60	Σ 3	A and B } 8.0 *wh.*
					108.8	15.58	...12	1883.17	En 1	A and C
4822	S 583	51 *Cancri*	45 10	32 55	23.3	82.10	7 ...15	1825.10	S 2	
4823	H 460	53 *Cancri*	45 16	28 43	320±	35±	7–8...10	1820+	H	*Yellow*
4824	H 4143	O. Arg. S. 9051	45 28	−22 46	131.8	1.5±	8½...10	1835.2	H	"Very elegant star"
4825	Arg. 21	O. Arg. N. 9369	45 29	65 26	135±	10±	9 ... 9½	....	β	"Duplex Cl. III" in Arg.
4826	Σ 1288	DM (29°) 1836	45 32	28 54	258.9	7.52	8.9... 9.0	1836.27	Σ 3	
4827	H 798	....	8 45 37	−10 20	140±	5±	10 ...12	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4828	β 587	15 *Hydrae*	$8^h\ 45^m\ 41^s$	− 6°44′	159°9	0″45	6.0... 9.0	1878.19	β 2	A and B
					340±	43.03	...(12)	1783.00	H I	AB and C
					53.2	49.99	...11.2	1878.14	β 1	AB and D
4829	Σ 1290	DM (5°) 2073	45 45	4 55	315.1	3.27	8.0... 9.9	1834.49	Σ 4	8.0 *wh.*
4830	Jacob 4	....	45 47:	−21 32:	222.6	4±	10½...10½	1848.1	J	
4831	β 407	W^1 VIII^h. 1159	45 50	− 6 20	165.4	6.09	7.7...10.0	1877.87	Δ 1	
4832	Schj. 11	L 17509	46 4	−10 41	352.2	2.16	8.7... 9.2	1873.73	Δ 2	
4833	A. G. 158	DM (50°) 1588	46 9	50 21	336.9	5.44	8.9... 9.0	1901.21	Es 2	
4834	H 108	....	46 28:	− 2 35:	250±	2±	15 ...16	1820+	H	"Among several 10 m. stars"
4835	Σ 1289	W^2 VIII^h. 1110	46 44	44 3	4.2	3.80	7.7... 8.5	1830.26	Σ 3	*White*
4836	H 2472	SD (4°) 2480	46 44	− 4 25	183.4	13±	9 ...14	1830+	H	
4837	H 799	....	46 46	− 9 1	355±	5±	11 ...13	1820+	H	
4838	H 4146	L 17541	46 48	−12 47	99.2	35±	6 ...14	1836.2	H	
4839	Σ 1291	ι^2 57 *Cancri*	46 55	31 2	333.3	1.51	5.9... 6.4	1829.71	Σ 5	*Yel.*
4840	H 1163	DM (47°) 1622	47 0	47 24	175±	15±	9–10..10	1828+	H	
4841	OΣ 195	P VIII^h. 200	47 32	8 52	138.9	9.51	7.4... 7.9	1848.27	OΣ 5	
4842	Σ 1292	W^1 VIII^h. 1206	47 39	− 0 8	188.8	5.84	8.8... 9.0	1831.16	Σ 3	*White*
4843	H 109	DM (13°) 2010	47 43	13 6	280±	3±	11 = 11	1820+	H	
4844	Ho 357	W^2 VIII^h. 1147	47 48	26 40	8.2	31.06	6.5...13	1892.29	Ho 2	*A. N.* 3233)
4845	A. G. 159	A. G. Leid. 3695	47 52	33 14	100.3	6.75	9.5... 9.5	1903.40	β 2	
4846	Σ 3120	DM (44°) 1804	48 5	44 7	348.1	1.54	7.8... 8.8	1831.24	Σ 3	*Yel'sh: wh.*
4847	H 2474	Cord. DM (29°) 6896	48 18	−29 14	219.9	12±	10 ...12	1830+	H	A and B "A fourth suspected"
					260.0	8±	...14	1830+	H	B and C
4848	H 1162	....	48 22:	75 54:	232.8	20±	8 ...13–14	1828+	H	
4849	β 24	L 17586	48 24	− 8 18	171.9	1.03	7.9... 9.0	1875.15	Δ 3	
4850	H 2475	Cord. DM (25°) 6689	48 29	−25 34	235.3	15±	9 ...11	1830+	H	8.2 m. in Cord.
4851	β 408	Rad^1. 2231	48 58	63 53	344.0	2.94	7.8...10.3	1877.80	Δ 3	
4852	Hd 120	....	49 :	− 0 15:	8.5	6.62	....	1868.22	Hd 1	
4853	β 103	L 17611	49 2	− 7 22	73.9	2.90	8.0...11.2	1875.08	Δ 2	
4854	S 585	O. Arg. S. 9131	49 4	−17 45	323.2	69.36	6 ... 7	1825.22	S 3	
4855	H 2473	DM (49°) 1787	49 7	49 20	246.2	18±	8 ...13	1830+	H	
4856	H 461	DM (21°) 1943	49 31	21 3	280±	10±	9 ...12	1820+	H	
4857	S 584	L 17624	49 32	−10 55	211.2	71.19	8 ...10	1825.22	S 2	
4858	H 2476	....	49 32	− 4 46	31.0	12±	11 ...11+	1830+	H	
4859	Σ 1295	17 *Hydrae*	49 37	− 7 31	358.8	4.33	7.2... 7.3	1831.59	Σ 3	*White*
4860	Σ 1284	Redhill 1291	49 39	81 31	170.4	2.38	8.0... 9.7	1833.14	Σ 3	8.0 *wh.*
4861	Σ 1294 *rej.*	DM (33°) 1787	49 52	33 22	341.3	15±	10 ...11	1830+	H	
4862	See 107	δ *Pyxidis*	50 23	−27 13	267.5	23.85	6 ...14.5	1897.85	See 1	
4863	Σ 1293	DM (54°) 1265	50 35	54 26	92.2	18.62	7.8... 9.0	1830.66	Σ 3	*White*
4864	Ho 252	DM (30°) 1795	50 41	30 42	143±	0.3±	6.5... 6.5	1887.22	Ho	
4865	H 800	SD (13°) 2720	50 58	−13 16	350±	30±	9 ...10	1820+	H	
4866	Hu 628	ι *Ursae Majoris*	50 59	48 31	351.8	10.70	3.1...10.3	1845.27	OΣ 4	A and BC AB = OΣ 196
					203.3	0.93	9.5... 9.8	1903.38	A 2	B and C
4867	β 210	L 17696	51 18	−16 58	181.6	2.40	7.0... 7.4	1875.48	Δ 3	
4868	H 801	....	51 41	− 1 28	260±	4±	11 ...12	1820+	H	
4869	Σ 1296	DM (35°) 1912	51 47	35 25	71.2	2.83	8.5... 9.0	1830.59	Σ 3	
4870	H 110	α *Cancri*	51 54	12 19	320±	10±	4–5...20	1820+	H	*White: red*
4871	Weisse 20	W^1 VIII^h. 1317	51 59	− 4 24	....	....	6 ...	....	....	
4872	A 341	SD (3°) 2520	52 3	− 3 7	326.4	4.82	8.1...13.7	1902.31	A 2	(*Bul. L. O.* No. 29)
4873	Hu 122	SD (12°) 2749	52 7	−12 38	258.8	0.90	8.9...10.8	1900.28	Hu 2	(*A. J.* 485)
4874	Sh 100	64 *Cancri*	52 11	32 53	294.8	89.73	5–6... 8–9	1823.30	Sh 1	
4875	Ho 358	L 17733	52 21	−18 26	290.4	1.77	6.9...12	1892.25	Ho 2	
4876	Hu 718	DM (32°) 1826	53 8	32 53	202.2	0.51	8.7... 8.9	1902.83	Hu 1	
4877	Ho 359	SD (22°) 2457	53 14	−22 22	7.9	0.70	8.5... 8.7	1893.23	Ho 1	
4878	H 5475	....	53 26	10 45	240±	10±	11 ...14	1823+	H	
4879	Ho 350	W^2 VIII^h. 1284	8 53 33	22 56	148.4	3.91	8.0...12	1892.74	Ho 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4880	Σ 1297	DM (23°) 2030	8^h 53^m 35^s	23°12′	162°.2	4″.70	8.2... 9.3	1831.90	Σ 3	8.2 *wh.*
4881	Σ 1299 *rej.*	DM (13°) 2023	53 41	13 41	....	Cl. IV	8–9... 9–10	....	Σ	From *Cat. Nov.*
4882	H 111	DM (−1°) 2173	53 46	− 1 7	240 ±	20 ±	9 ...10	1820+	H	
4883	Σ 1298	66 *Cancri*	54 3	32 43	137.8	4.60	6.1... 8.2	1831.16	Σ 7	*Very wh.: very blue*
4884	H 2479	W^1 VIII^h. 1359	54 4	4 0	325.0	15 ±	9 ...11	1830+	H	
4885	H 112	....	54 8:	14 21:	340 ±	10 ±	12 ...13	1820+	H	
4886	H 802	SD (9°) 2711	54 8	−10 2	355 ±	9 ±	9–10...15	1830+	H	
4887	H 2480	*Schj.* 3309	54 9	6 38	56.4	12 ±	9 ... 9–10	1830+	H	"Duplex" in Schj.
4888	Hu 225	SD (11°) 2520	54 22	−12 0	280.2	0.34	8.3... 8.5	1900.31	Hu 2	(*A. J.* 494)
4889	H 113	....	54 31:	13 21:	220 ±	20 ±	13 ...14	1820+	H	
4890	Σ 1300	W^2 VIII^h. 1308	54 39	15 45	210.0	4.11	8.7... 8.8	1830.79	Σ 3	*Yel.*
4891	Sh 101	67 *Cancri*	54 39	28 23	322.7	103.14	6 ... 8	1823.30	Sh 1	
4892	H 4160	....	54 42	−12 11	280.9	4 ±	12 ...13	1837.2	H	
4893	Σ 1301	DM (26°) 1885	54 51	26 41	0.2	9.96	8.5... 9.0	1829.28	Σ 2	
4894	Hu 719	SD (10°) 2716	54 54	−10 40	291.3	0.42	9.0...10.5	1900.24	Hu 1	
4895	β 409	L 17812	54 55	− 8 43	184.3	9.65	8.0...10.5	1878.26	Δ 1	
4896	Σ 1302	W^1 VIII^h. 1381	54 59	3 13	228.1	2.38	8.7... 8.8	1829.59	Σ 3	A and B } *wh.*
					269.5	31.92	...12	1879.23	β 1	A and C }
4897	Hu 720	DM (48°) 1716	55 2	48 9	....	0.3 ±	8.5... 8.5	1903	Hu	
4898	H 2478	DM (56°) 1357	55 8	56 9	197.6	14 ±	10 ...10+	1830+	H	
4899	Espin 72	DM (49°) 1798	55 12	49 31	294.0	10.2	8.5...11.5	1901	Es	(*A. N.* 3784)
4900	H 4162	SD (21°) 2668	55 41	−21 32	219.0	3 ±	9½ = 9½	1835.0	H	
4901	β 211	*Hydrae* 68	55 44	3 9	257.7	1.11	7.5...10.0	1875.27	Δ 2	
4902	Hu 123	DM (63°) 820	56 29	63 31	228.3	0.52	8.9... 9.1	1900.43	Hu 2	(*A. J.* 485)
4903	Hu 721	DM (50°) 1605	56 34	50 23	....	3 ±	9.1...	....	Hu	
4904	Innes 357	O. Arg. S. 9263	56 40	−23 17	178.8	0.69	8 ...	1901.99	I 1	
4905	Ho 361	SD (0°) 2451	56 40	0 54	90.0	4.40	8.0...12	1892.75	Ho 2	(*A. N.* 3233)
4906	H 803	DM (28°) 1681	56 44	28 4	10 ±	7 ±	10 ...12	1820+	H	
4907	A. G. 160	A. G. Lund 4477	57 25	40 2	61.7	4.09	9.0... 9.1	1902.81	β 2	
4908	H 114	SD (3°) 2546	57 27	− 3 34	300 ±	15–20	10 ...11	1820+	H	A and b }
					255 ±	20–30	...14	1820+	H	A and C }
4909	Σ 1303	DM (65°) 688	57 31	65 28	278.2	2.72	8.3...10.2	1833.11	Σ 3	*White*
4910	Ho 41	DM (−1°) 2192	57 33	− 1 55	69.8	4.01	9 ...10	1882.80	Ho 2	
4911	S 588	O. Arg. S. 9275	57 36	−17 11	328.8	30.23	8½... 9	1825.15	S 2	B is O. Arg. S. 9274
4912	H 2481	....	57 38	−28 37	296.6	6 ±	9–10...10–11	1830+	H	"Neat"
4913	H 115	DM (14°) 2022	57 39	14 46	130 ±	25 ±	9 ...10	1820+	H	H (v, viii)
4914	H 116	....	58 7	− 2 24	45 ±	30 ±	8–9 = 8–9	1820+	H	
4915	Σ 1307 *rej.*	W^1 VIII^h. 1451	58 10	5 19	310.5	16 ±	10 ...14	1830+	H	
4916	Hu 722	DM (51°) 1482	58 12	51 6	....	0.3 ±	8.5...	....	Hu	
4917	H 2482	Cord. DM (25°) 6833	58 18	−25 50	93.0	8 ±	11 ...11	1830+	H	
4918	A. G. 161	A. G. Leiden 3748	58 19	32 55	42.6	4.22	9.0... 9.2	1902.84	β 2	
4919	A 554	A. G. Camb. 4815	58 28	29 12	212.4	0.72	8.5...10.5	1903.37	A 2	(*Bul. L. O.* No. 50)
4920	Σ 1308	L 17927	58 59	− 3 31	84.6	10.49	7.9... 8.9	1832.77	Σ 4	*White*
4921	H 4168	....	59 4	−30 51	67.8	3 ±	12 = 12	1835.1	H	
4922	Hu 226	SD (13°) 2757	59 5	−13 14	122.5	3.21	9.0...13.0	1900.24	Hu 1	(*A. J.* 494)
4923	Σ 1306	σ^2 *Ursae Majoris*	59 50	67 37	263.5	4.58	5.0... 8.2	1832.14	Σ 4	5.0 *greenish*
4924	Σ 1310	DM (47°) 1641	59 52	47 49	67.7	21.99	8.5...11.0	1830.30	Σ 2	8.5 *yel'sh*
4925	A. G. 162	A. G. Leiden 3759	59 55	31 7	107.7	3.96	9.0... 9.1	1902.83	β 2	
4926	H 1164	DM (45°) 1682	9 0 3	45 39	175 ±	9 ±	9–10 = 9–10	1828+	H	
4927	H 118	....	0 20:	16 2:	320 ±	2–3	11 ...12	1820+	H	
4928	Σ 1309	W^1 VIII^h. 1495	0 24	3 18	273.1	11.34	8.0... 8.3	1834.03	Σ 5	*White*
4929	Σ 1311	*Cancri* 194	0 33	23 28	200.5	7.20	6.7... 7.1	1831.31	Σ 5	A and B } *Wh.*
					118.0	27.31	...12	1892.77	Ho 2	A and C }
4930	H̥ V. 73	τ *Ursae Majoris*	1 0	64 0	45 ±	54.77	....	1783.26	H̥ 1	
4931	H 4172	Cord. DM (24°) 7713	1 5	−24 55	213.6	6 ±	8½... 9	1835.2	H	
4932	A 342	SD (3°) 2577	9 1 8	− 3 28	154.2	4.56	8.6... 9.5	1902.24	A 2	(*Bul. L. O.* No. 29)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4933	Σ 1305	DM (80°) 284	9^h 1^m 10^s	80°18′	5°6	1″55	9.3...10.0	1833.14	Σ 3	
4934	Ho 530	Cord. G. C. 12387	1 12	−23 41	90±	15±	8 ...12	1894.18	Ho	(*A. N.* 3557)
4935	Howe 23	O. Arg. S. 9348	1 16	−31 7	304.7	3.42	8.7... 9.2	1877.12	Cin 2	
4936	OΣ (App) 97	W^2 VIII^h. 1480	1 17	28 1	57.1	51.30	7.7... 7.8	1875.06	Δ 3	
4937	Schj. 12	DM (0°) 2462	1 36	0 16	260.9	6.21	9.7...10.0	1874.26	Δ 2	
4938	H 4174	....	1 44	−15 14	258.7	5±	11 = 11	1836.2	H	
4939	Σ 1312	DM (52°) 1371	1 46	52 52	147.9	4.52	7.7... 8.2	1831.68	Σ 3	*Very wh.*
4940	Ḫ N. 30	....	1 54:	31 23:	....	Cl. I	....	1785.	Ḫ	
4941	Σ 1316	L 18025	1 56	− 6 39	146.3	6.78	8.2...11.5	1832.88	Σ 3	A and B
					153.1	13.05	...10.5	1832.88	Σ 3	A and C
4942	H 804	W^1 VIII^h. 1538	1 56	−10 0	320±	8±	8 ...12	1820+	H	
4943	A 123	SD (5°) 2727	2 33	− 5 8	342.9	1.23	8.5...13.7	1901.28	A 3	A and B
					183.0	3.48	11.0...15.2	1901.29	A 2	C and D
					149.0	141.7	....	1901.27	A 1	A and C
4944	Σ 1313	DM (70°) 555	2 34	70 28	240.9	0.84	8.5... 8.7	1832.39	Σ 3	*White*
4945	Σ 1317	W^2 VIII^h. 1513	2 35	15 44	59.4	7.59	8.0... 9.8	1829.85	Σ 3	8.0 *white*
4946	H 119	W^1 IX^h. 7	3 3	− 1 6	310±	50±	8 .. 10	1820+	H	*Orange: purple*
4947	Innes 197	Cord. 9^h. 331	3 3	−28 20	231.2	1.76	9.0... 9.2	1898.3	See 1	(*A. N.* 3438)
4948	Σ 1314 *rej.*	DM (62°) 1053	3 7	62 26	....	Cl. IV	8 ...10	....	Σ	
4949	Σ 1315	*Ursae Majoris* 53	3 12	62 10	25.6	24.94	7.0... 7.2	1831.74	Σ 3	*White*
4950	Σ 1304	Redhill 1325	3 16	81 53	317.0	24.07	8.2... 9.0	1832.29	Σ 2	8.2 *yel'sh*
4951	OΣ 197	L 18066	3 16	3 26	61.9	1.38	7.4... 9.0	1847.00	OΣ 4	
4952	Hd 121	SD (21°) 2704	3 19	−21 29	*sp*	5±	7.5...10	1870.18	Hd	
4953	Hu 227	SD (13°) 2773	3 20	−13 42	215.8	2.26	7.7...11.3	1900.25	Hu 3	(*A. J.* 494)
4954	Hu 124	DM (61°) 1102	3 22	61 2	130.4	2.00	8.5...12.0	1900.45	Hu 2	(*A. J.* 485)
4955	H 2484	Cord. DM (29°) 7180	4 8	−29 43	114.5	12±	10 ...12	1830+	H	
4956	H 2483	DM (36°) 1928	4 21	36 37	195.1	15±	9–10..10	1830+	H	
4957	H 805	DM (28°) 1708	4 23	28 30	80±	9±	9–10..10	1820+	H	71°8 (1882.27) an Big.
4958	β 410	B. A. C. 3127	4 30	−25 19	160.5	1.78	7.0... 9.0	1877.11	Cin 2	
4959	H 4182	L 18123	4 34	−16 22	83±	25±	8 ...12	1836.1	H	
4960	H 806	Mü I. 3894	4 42	− 1 21	265±	10±	9 ...12	1820+	H	(See p. 1072)
4961	Σ 1319	DM (9°) 2130	4 43	9 4	48.9	13.26	9.0...11.2	1828.84	Σ 3	
4962	Ḫ V. 15	16 *Ursae Majoris*	4 51	61 55	190.1	48.99	....	1782.30	Ḫ 1	
4963	H 4183	*e Mali*	4 51	−29 53	144.9	18±	6½... 9½	1836.2	H	
4964	H 2485	....	4 56	− 4 26	151.8	3±	16 ...16–17	1830+	H	
4965	H 120	....	5 15:	− 3 49:	15±	30±	10 ...11	1820+	H	
4966	β 104	L 18134	5 19	0 47	107.7	3.30	7.0...11.8	1875.15	Δ 3	
4967	Σ 1320	DM (42°) 1975	5 32	42 49	214.6	11.52	8.5... 9.7	1830.31	Σ 2	
4968	Σ 1318	DM (47°) 1650	5 33	47 29	245.1	3.48	7.5... 8.7	1830.98	Σ 3	7.5 *white*
4969	Σ 1322	DM (17°) 2032	5 59	17 1	52.0	1.71	7.7... 8.2	1830.61	Σ 3	*Very white*
4970	β 336	L 18173	6 11	−16 19	238.2	1.93	8.7... 9.5	1876.17	Δ 2	
4971	H 5476	....	6 22	75 36	315.8	2½	10.5...13.5	1828.7	H	
4972	Σ 1321	DM (53°) 1320	6 23	53 13	48.4	20.10	7.4... 7.4	1832.96	Σ 5	*Yel.*
4973	H 807	....	6 23	− 6 39	270±	12±	10 ...10	1820+	H	A and B
					50±	15±	...15	1820+	H	A and C
4974	H 2486	....	6 30	3 49	160±	7±	10 ...14	1830+	H	"P est. from diagram"
4975	Σ 1323 *rej.*	DM (27°) 1727	6 33	26 57	220±	15±	9 ...12	1823+	H	
4976	A. G. 163	DM (24°) 2053	6 37	20 33	318.0	4.59	9.0... 9.5	1902.27	M 3	
4977	Ho 42	DM (34°) 1961	6 49	34 3	6.1	1.38	9.5... 9.5	1885.77	Ho 2	
4978	Σ 1324	DM (26°) 1914	6 59	26 40	352.1	11.86	8.4...11.0	1832.03	Σ 4	8.4 *yel'sh wh.*
4979	H 121	....	7 9:	10 21:	70±	1±	10 ...	1820+	H	
4980	H 122	DM (11°) 1998	7 9	11 39	90±	6½	10 ...10	1820+	H	
4981	H 123	DM (−1°) 2219	7 13	− 1 48	140±	12±	10 ...14	1820+	H	A and B From H (VII)
					225±	20±	...11	1820+	H	A and C
4982	H 2487	....	7 45:	13 23:	250±	15±	9–10 = 9–10	1830+	H	
4983	Σ 1325 *rej.*	W^1 IX^h. 120	9 7 46	16 38	....	Cl. IV	8 ...12	....	Σ	(See p. 1072)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
4984	**H 2489**	*θ Hydrae*	9^h 8^m 8^s	2°49′	169°8	45″±	5 ...12	1830+	H	
4985	**β 908**	**SD** (7°) 2763	8 25	− 7 47	184.6	60.56	9.0...	1880.25	β 2	A and BC
					234.6	0.82	9.2...11.0	1880.29	β 3	B and C
4986	**H 1165**	**DM** (45°) 1695	8 26	45 26	127±	20±	9 ...11–12	1828+	H	8.3 m. in DM
4987	**Σ 1327**	**L** 18224	8 26	28 25	81.4	16.13	8.0... 9.2	1831.30	Σ 2	A and B
					27.9	25.07	... 9.0	1831.30	Σ 2	A and C
					167.3	20.20	....	1831.30	Σ 2	C and B
4988	**H 2490**	**DM** (13°) 2060	8 28	13 23	67.4	18±	10 ...10+	1830+	H	
4989	**A 124**	**SD** (2°) 2824	8 32	− 3 1	237.5	1.39	9.0...10.4	1901.29	A 4	
4990	**β 455**	**L** 18231	8 34	4 43	65.2	1.94	9.5...10.5	1877.30	Hl 2	
4991	**H 2488**	....	8 45	48 1	37.9	8±	12 = 12	1830+	H	
4992	**H 124**	**DM** (6°) 2136	8 58	6 1	85±	20±	10 ...11	1820+	H	A and B 8.5 in DM
					195±	50±	...13	1820+	H	A and C
4993	**Weisse 21**	W^1 IX^h. 147	9 1	− 8 16	14.5	25.76	7.7... 8.9	1880.10	β 2	
4994	**OΣ 198** *rej.*	**L** 18244	9 17	23 54	....	10±	7 ...11	....	....	
4995	**H 2491**	....	9 21	35 1	225±	....	....	1830+	H	
4996	**Ho 362**	**L** 18230	9 22	37 52	146.6	4.28	8.0...12.2	1892.61	Ho 3	A and B (*A. N.* 3233)
					98.7	28.09	...12.5	1892.30	Ho 2	A and C
4997	**Hu 125**	**SD** (12°) 2839	9 26	−12 22	104.1	3.16	8.5...12.2	1900.27	Hu 3	(*A. J.* 485)
4998	**Ho 363**	**L** 18282	9 32	−19 37	176.1	1.56	7.0... 9.0	1890.31	Ho 2	(*A. N.* 3233)
4999	**Σ 1329**	**DM** (−0°) 2164	9 37	− 0 44	245.7	27.19	8.3... 8.5	1834.26	Σ 4	*White*
5000	**H 2492**	....	10 6	53 1	133±	10±	....	1830+	H	
5001	**β 212**	*Hydrae* 95	10 11	− 7 51	230.5	1.48	7.5... 8.2	1875.61	Δ 2	
5002	**H 808**	**DM** (8°) 2195	10 23	8 45	238±	15±	8 ... 9	1820+	H	
5003	**Σ 1332**	W^2 IX^h. 172	10 24	24 9	16.3	5.56	7.2... 7.5	1829.32	Σ 3	*White*
5004	**β 588**	*Hydrae* 96	10 30	1 14	123.2	2.38	6.5...11.0	1878.19	β 2	
5005	**Σ 3121**	W^2 IX^h. 176	10 46	29 5	20.0	0.85	7.5... 7.8	1832.31	Σ 3	*Yel'sh wh.*
5006	**OΣ (App) 98**	**DM** (7°) 2102	10 46	7 46	168.5	113.12	7.7... 8.0	1873.89	Δ 1	
5007	**H 4193**	**O. Arg. S.** 9526	10 55	−22 38	126.4	2±	8 ...12	1835.1	H	
5008	**H 127**	....	10 57:	− 5 8:	285±	8±	12 ...13	1820+	H	
5009	**Hd 122**	....	11 :	− 9 7:	*f*	....	8.5... 8.5	1870.18	Hd	
5010	**H 125**	....	11 0:	13 8:	300±	15±	12 ...13	1820+	H	
5011	**Σ 1333**	W^2 IX^h. 182	11 2	35 52	39.4	1.42	6.6... 6.9	1828.59	Σ 4	*Very white*
5012	**H 128**	*Cancri* 222	11 21	12 0	285±	30±	6 ...18	1820+	H	
5013	**Σ 1336** *rej.*	**L** 18328	11 22	1 4	....	Cl. IV	6–7...11	....	Σ	7.3 in DM
5014	**Σ 1334**	38 *Lyncis*	11 23	37 19	240.2	2.70	4.0... 6.7	1829.17	Σ 6	*Greenish wh.: blue*
5015	**Σ 1331**	**DM** (61°) 1114	11 24	61 51	152.6	1.16	8.0... 8.0	1833.07	Σ 4	A and B AB *very wh.*
					200.7	11.35	...11.5	1833.07	Σ 5	AB and C
					120.0	15±	...(14)	1830+	H	AB and D
5016	**A 221**	**DM** (30°) 1845	11 29	30 15	302.4	0.30	8.7... 8.8	1901.71	A 3	
5017	**Σ 1326**	**O. Arg. N.** 9756	11 46	78 57	171.4	29.02	7.7... 8.1	1832.98	Σ 5	*White*
5018	**Ho 43**	W^2 IX^h. 203	11 47	21 19	314.4	0.37	8.0... 8.5	1885.76	Ho 2	
5019	**Σ 1330** *rej.*	**O. Arg. N.** 9776	11 57	67 41	....	Cl. IV	8.9...10	...	....	
5020	**Ho 364**	W^2 IX^h. 205	12 0	23 25	334.6	3.60	8.2...11.2	1892.77	Ho 3	
5021	**H 126**	**DM** (−0°) 2174	12 5	− 0 6	145±	30±	9 ...10	1820+	H	
5022	**Hu 126**	**SD** (11°) 2604	12 20	−11 49	87.6	2.85	8.5...10.7	1900.22	Hu 3	(*A. J.* 485)
5023	**OΣ 199**	37 *Lyncis*	12 24	51 46	116.8	5.74	6.1...10.2	1847.02	OΣ 4	6.1 *white*
5024	**H 2493**	....	12 31	34 14	170±	6±	11 ...13–14	1830+	H	
5025	**S 595**	**O. Arg. S.** 9563	12 54	−19 52	280.0	61.15	8½...10	1825.14	S 2	
5026	**A 125**	**SD** (9°) 2792	12 56	− 9 55	25.4	2.84	7.7...10.8	1901.30	A 3	
5027	**H 129**	....	13 6:	6 38:	230±	8±	11 ...12	1820+	H	
5028	**H 809**	....	13 18	0 50	225±	9±	10 ...11	1820+	H	
5029	**H 130**	**DM** (10°) 1973	13 18	10 34	45±	6±	9 ...13	1820+	H	
5030	**Σ 1338**	*Lyncis* 157	13 29	38 42	121.1	1.76	7.0... 7.2	1829.53	Σ 5	*White*
5031	**A 126**	**SD** (8°) 2638	13 29	− 9 2	148.9	1.10	8.9... 9.0	1901.30	A 3	
5032	**Σ 1339**	**DM** (37°) 1970	9 13 31	37 14	73.6	1.24	8.5... 9.5	1828.95	Σ 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5033	Σ 1343	DM (5°) 2161	9h 13m 41s	5° 31′	271°.1	10″.22	8.7... 9.2	1836.22	Σ 3	*White*
5034	Σ 1342	W² IXh. 248	13 55	34 57	326.9	17.89	8.6...11.0	1830.77	Σ 4	
5035	H 131	....	14 0:	− 1 6:	115±	15±	10 ...11	1820+	H	
5036	H 810	DM (28°) 1741	14 10	27 58	225±	20±	9 ... 9	1820+	H	
5037	Σ 1341	DM (51°) 1500	14 20	51 7	267.3	21.09	8.5... 8.5	1830.98	Σ 3	*White*
5038	Σ 1340	39 *Lyncis*	14 21	50 3	319.4	6.06	6.5... 8.3	1830.34	Σ 3	*Wh.: bluish*
5039	Sh 105	27 *Hydrae*	14 38	− 9 3	210.7	225.69	7 ... 8	1823.13	Sh 1	
5040	A 127	A. G. Berlin 3730	14 43	20 13	27.2	1.21	9.3...10.0	1901.20	A 5	
5041	H 4199	Cord. DM (27°) 6476	14 43	−27 16	110.5	15±	9 ...10	1837.1	H	7.8 m. in Cord. DM
5042	H.C.Wilson 6	L 18445	14 52	−22 59	37.3	1.38	8.0... 9.7	1886.17	W 2	
5043	Σ 1335 *rej.*	DM (77°) 368	14 55	77 38	55.5	15±	9 ...10	1830+	H	
5044	H 132	SD (3°) 2660	15 23	− 3 45	230±	10±	9–10...15	1820+	H	8.8 m. in SD
5045	H 2494	....	15 28	58 43	240.6	6±	11 ...12	1830+	H	
5046	Innes 198	Lac. 3787	15 31	−28 43	178.9	0.33	8.4... 9.4	1902.22	I 1	
5047	Σ 1344	DM (39°) 2237	15 55	39 39	106.6	3.56	8.5... 9.2	1830.54	Σ 4	*White*
5048	H 462	....	15 59	30 38	7±	13±	10 ...11	1820+	H	
5049	H 5477	....	16 7	9 14	300±	15±	11 ...12	1828.1	H	"P est. from diagram"
5050	H 4201	....	16 15	−28 29	100±	2±	11½ = 11½	1837.1	H	"A third star near"
5051	A. G. 164	A. G. Lund 4593	16 18	38 56	17.2	4.50	9.0... 9.2	1902.81	β 2	
5052	H 463	....	16 19	30 45	345±	15±	10 ...11	1820+	H	
5053	A. G. 165	A. G. Berlin 3738	16 28	22 41	14.0	1.18	9.1... 9.3	1900.20	A 3	
5054	H 133	....	16 30:	5 50:	310±	12±	11 = 11	1820+	H	
5055	OΣ 200	Rad¹. 2323	16 36	52 5	335.2	1.41	6.7... 8.4	1847.09	OΣ 5	
5056	OΣ 201	L 18469	16 51	28 25	233.5	1.45	7.5... 9.0	1852.43	OΣ 6	*White: yel.*
5057	β 337	L 18502	16 54	−17 23	320.8	7.70	7.0...11.0	1876.17	Δ 2	
5058	Σ 1347	P IXh. 65	17 1	4 1	310.5	21.29	6.7... 8.0	1832.23	Σ 6	*White*
5059	Σ 1346	21 *Ursae Majoris*	17 8	54 32	310.9	5.69	7.0... 8.0	1830.99	Σ 5	*White: bluish*
5060	Σ 1345	DM (64°) 735	17 15	64 52	84.0	2.78	8.5...10.1	1832.83	Σ 2	*White*
5061	β 338	L 18518	17 15	−14 59	274.3	6.65	8.2...10.0	1876.17	Δ 2	
5062	β 105	κ *Leonis*	17 40	26 42	203.8	3.05	4.9...10.7	1876.20	Δ 5	
5063	H 813	DM (27°) 1750	17 45	27 12	65±	12±	8 ...13	1820+	H	A and B }
					110±	15±	...13	1820+	H	A and C }
5064	H 812	....	17 53	− 1 50	55±	6±	11 ...13	1820+	H	
5065	H 811	....	17 57	11 30	45±	12±	10 ...10–11	1820+	H	
5066	Lewis 9	....	18 :	26 32:	17.6	3.40	9.5...10.0	1901.29	L 1	(*M. N.* LXII, 388)
5067	OΣ 202 *rej.*	L 18504	18 1	30 4	....	12	7 ...10	....	OΣ	
5068	H 2495	....	18 4	73 56	325.0	30±	9–10...10	1830+	H	Probably DM (74°) 398
5069	H 2496	....	18 5	− 5 1	47.0	15±	10–11...13	1830+	H	
5070	β 1070	DM (26°) 1940	18 8	26 47	71.8	0.50	9.1...10.2	1889.13	β 3	
5071	Σ 1348	*Hydrae* 116	18 10	6 52	334.3	1.10	7.5... 7.6	1831.02	Σ 4	*White*
5072	H 134	....	18 10:	12 8:	250±	20±	11 ...12	1820+	H	
5073	Hu 55	SD (10°) 2832	18 12	−10 34	108.2	0.61	8.5... 9.0	1900.03	Hu 1	(*A. J.* 480)
5074	H 135	....	18 22:	15 58:	50±	8±	13 ...14	1820+	H	
5075	Hd 123	O. Arg. S. 9667	18 24	−23 9	4.1	4.41	7.5...10.0	1868.17	Hd 1	
5076	Hn 98	O. Arg. S. 9673	18 56	−23 17	172.3	2.57	9.8... 9.8	1888.54	Com 3	
5077	A 222	A. G. Camb. 4955	18 58	29 10	325.8	0.23	8.3... 8.5	1901.93	A 3	
5078	A 4	DM (31°) 1982	19 7	31 40	45.0	0.87	8.7...10.2	1899.32	A 3	
5079	A 223	DM (29°) 1901	19 8	29 9	14.2	2.03	10.0...10.2	1901.93	A 3	
5080	H 2497	....	19 17	53 13	288.3	7±	11 ...12	1830+	H	
5081	H 136	....	19 30:	14 3:	300±	15±	12 = 12	1820+	H	
5082	Arg. 22	O. Arg. S. 9682	19 45	−23 6	270±	15±	9 ... 9	1875.	β	
5083	H 814	....	19 50	− 8 48	290±	5±	11 ...14	1820+	H	
5084	H.C.Wilson 7	....	20 :	−23 10:	29.2	24.66	8 ...12	1883.18	W 1	
5085	Ho 365	W¹ IXh. 394	20 13	15 1	153.2	12.85	7.0...13	1890.30	Ho [illegible]	(*A. N.* 3233)
5086	β 589	L 18585	20 15	7 3	219.1	2.30	7.5...12.5	1878.08	β 1	
5087	Hu 56	SD (12°) 2891	9 20 28	−12 59	156.6	1.64	8.5... 9.5	1900.03	Hu 1	(*A. J.* 480)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5088	**A. G. 166**	A. G. Alb. 3784	9h 20m 35s	1°36′	68°.1	3″.29	9.0...11.0	1902.62	Cg 2	
5089	**Ho 366**	W² IXh. 402	20 44	31 59	10.3	0.47	8.5... 8.7	1891.33	Ho 2	A and B
					67.5	48.38	...11	1891.33	Ho 2	AB and C
5090	**S 598**	41 *Lyncis*	20 48	46 8	161.5	86.65	6 ... 8½	1824.72	S 2	
5091	**A 128**	SD (2°) 2885	20 49	− 2 43	253.5	1.18	8.9... 9.0	1901.28	A 3	
5092	**A 129**	DM (23°) 2100	20 55	23 21	172.6	1.18	9.0...14.0	1900.70	A 2	
5093	**Σ 1349**	O. Arg. N. 9900	20 58	68 4	164.9	19.17	6.8... 8.0	1831.65	Σ 3	*White*
5094	**Σ 1355**	W¹ IXh. 414	20 59	6 46	328.3	2.84	7.2... 7.2	1832.20	Σ 3	*White*
5095	**Σ 1353**	DM (16°) 1964	21 2	16 16	314.7	3.05	8.5... 8.8	1830.95	Σ 3	
5096	**H 464**	....	21 8	18 5	165±	10±	11 ...14	1820+	H	
5097	**β 590**	29 *Hydrae*	21 22	− 8 42	176.8	10.80	6.8...11.7	1878.17	β 2	
5098	**Σ 1352** *rej.*	DM (43°) 1922	21 28	43 49	....	Cl. III	8–9... 9	....	Σ	(See p. 1072) From *Cat. Nov.*
5099	**Skinner 6**	SD (16°) 2786	21 30	−16 45	357.2	6.04	8.7...	1900.32	Boe 1	Boeger (*A. J.* 522)
5100	**Innes —**	Lac. 3833	21 33	−28 16	250±	0.8±	6.7... 8.2	....	I	(*A. N.* 3419)
5101	**H̱ VI. 111**	α *Hydrae*	21 41	− 8 6	*sf*	120±	....	1783.02	H̱	A and B
					155±	120±	....	1783.02	H̱	A and C
					f	210±	....	1783.02	H̱	A and D
5102	**A. G. 167**	DM (24°) 2089	21 50	24 20	....	....	8.9...	....	....	
5103	**Σ 1356**	ω *Leonis*	22 2	9 35	153.9	0.97	6.2... 7.0	1825.21	Σ 5	*Yel.*
5104	**Σ 1351**	23 *Ursae Majoris*	22 3	63 35	272.4	22.81	3.8... 9.0	1830.61	Σ 3	*Greenish wh.: ash*
5105	**H̱ IV. 47**	3 *Leonis*	22 6	8 43	105±	20±	....	1783.00	H̱	
5106	**β 213**	L 18648	22 25	− 7 34	177.2	1.60	8.0...10.5	1875.76	Δ 2	
5107	**Σ 1357**	L 18650	22 29	− 9 28	51.4	7.54	7.0...10.5	1831.20	Σ 3	7.0 *yel.*
5108	**H 815**	DM (33°) 1869	22 46	33 25	150±	5±	9 ...13	1820+	H	
5109	**H 1167**	....	23 1:	− 1 14:	3±	87±	6 ... 7–8	1828+	H	
5110	**Sh 106**	τ *Hydrae*	23 3	− 2 15	3.2	66.68	5.5... 8.5	1821.23	Sh 1	
5111	**Σ 1358**	DM (45°) 1728	23 9	45 12	152.6	24.42	7.3... 8.8	1831.68	Σ 3	7.3 *yel'sh wh.*
5112	**Σ 1361** *rej.*	DM (5°) 2183	23 22	5 5	11.4	18±	9–10... 9–10	1830+	H	
5113	**H 1166**	7 *Leo. Minoris*	23 28	34 11	135±	50±	7 ...11	1828+	H	
5114	**β 591**	W¹ IXh. 477	23 33	− 2 36	35.8	0.73	7.7... 8.5	1878.11	β 2	
5115	**A 130**	DM (21°) 2040	23 46	20 57	115.1	0.76	9.7... 9.8	1901.31	A 2	
5116	**Σ 1360**	DM (11°) 2052	24 10	11 8	243.0	14.33	7.4... 7.7	1830.86	Σ 5	*White*
5117	**A. G. 168**	A. G. Lund 4650	24 12	29 1	264.8	18.43	9.3... 9.3	1902.81	β 2	
5118	**Hu 228**	DM (62°) 1077	24 16	62 48	81.0	0.53	8.5...13.0	1900.42	Hu 1	(*A. J.* 494)
5119	**H 465**	....	24 17	25 8	70±	15±	9 ...11	1820+	H	
5120	**Σ 1350**	O. Arg. N. 9959	24 20	67 20	246.3	10.37	7.2... 7.3	1831.85	Σ 6	A and B *White*
					210.1	121.40	... 8.0	1833.40	Σ 2	B and C
5121	**Σ 1359**	DM (56°) 1390	24 21	56 47	69.6	7.69	8.5... 9.2	1831.66	Σ 3	
5122	**See 113**	Lac. 3860	24 35	−26 4	178.1	4.13	6 ...14.8	1897.85	See 1	
5123	**β 1071**	θ *Ursae Majoris*	24 49	52 13	74.9	5.09	3 ...13.7	1889.23	β 3	
5124	**Σ 1364**	DM (20°) 2332	24 59	20 32	156.1	15.11	7.7... 9.2	1829.21	Σ 2	A and B *7.7 white*
					295±	35±	...(13)	1830+	H	A and C
5125	**A 224**	DM (31°) 1999	25 1	30 59	144.1	3.58	8.8...10.0	1901.98	A 3	
5126	**β 339**	L 18737	25 17	−15 13	215.7	1.28	8.8... 9.6	1876.17	Δ 2	
5127	**Σ 1365**	*Hydrae* 134	25 20	2 0	162.8	3.08	7.0... 8.0	1830.02	Σ 4	*Yel'sh: bluish wh.*
5128	**H 2498**	O. Arg. S. 9794	25 20	−25 5	31.3	15±	9 ...13	1830+	H	7.8 m. in O. Arg.
5129	**β 909**	L 18714	25 25	22 23	91.5	5.66	7.2...12.0	1879.48	β 3	
5130	**Jacob 5**	Lac. 3873	25 26	−28 14	244.6	0.55	7½... 8	1858.1	J 1	
5131	**Sh 107**	6 *Leonis*	25 32	10 15	74.6	38.13	....	1822.16	Sh 1	*Reddish: dusky*
5132	**Hu 127**	SD (10°) 2854	25 54	−10 53	89.9	0.63	9.4... 9.8	1900.34	Hu 2	(*A. J.* 485)
5133	**Σ 1363**	DM (61°) 1132	26 11	61 26	353.9	10.85	7.3...11.0	1832.57	Σ 3	7.3 *white*
5134	**H̱ N. 29**	*Leonis* 29	26 17	28 54	256.6	34.95	5.0...10.0	1840.19	OΣ 1	
5135	**Σ 1367**	W¹ IXh. 550	26 21	−10 19	182.5	5.36	7.8... 9.3	1829.55	Σ 3	7.8 *yel'sh*
5136	**Σ 1362**	O. Arg. N. 9987	26 29	73 37	136.5	5.02	7.0... 7.0	1836.43	Σ 2	*White*
5137	**H 139**	DM (4°) 2204	26 35	4 48	240±	15±	9 ...10–11	1820+	H	
5138	**H 2499**	DM (39°) 2262	9 26 40	38 58	333.1	12±	10 ...11	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5139	H 467	....	9h 26m 48s	26°53′	315° ±	15″ ±	10 ...11	1820+	H	
5140	Perry	....	27 :	15 0:	108.0	8.2	9 ...14	1881.25	P 1	
5141	β 910	L 18800	27 10	−13 28	304.9	6.84	7.7...10.2	1879.87	β 3	
5142	Σ 1366	DM (53°) 1350	27 24	53 50	323.8	7.73	7.8... 9.3	1831.97	Σ 3	*White: ash*
5143	Hu 565	DM (50°) 1661	27 35	50 36	182.7	1.80	8.8... 8.8	1902.33	Hu 2	(*Bul. L. O.* No. 27)
5144	Σ 1368	DM (53°) 1351	27 46	53 50	219.2	21.32	8.0... 9.5	1831.32	Σ 2	8.0 *wh.*
5145	Σ 1369	W² IXh. 547	27 53	40 30	147.4	24.72	7.0... 8.0	1831.37	Σ 3	*White*
5146	A 131	SD (9°) 2869	27 57	− 9 48	318.2	0.93	9.1... 9.2	1901.30	A 3	
5147	H 816	DM (10°) 2019	27 58	10 41	....	15±	9 ...11	1820+	H	"Neat double star"
5148	H 1168	O. Arg. N. 9995	28 4	79 22	47.9	17±	8 ...13	1828+	H	
5149	OΣ (App) 102	DM (14°) 2113	28 36	14 37	40.6	50.10	7.7... 8.7	1875.48	*Δ* 3	
5150	A 343	A. G. Leiden 3914	28 44	29 58	172.8	0.98	8.6...11.2	1902.16	A 3	(*Bul. L. O.* No. 29)
5151	Σ 1370	W¹ IXh. 614	28 57	−12 4	95.5	17.61	8.5... 9.2	1828.71	Σ 2	
5152	Σ 1371	W¹ IXh. 615	29 10	4 27	279.8	7.11	8.0...10.5	1831.90	Σ 3	8.0 *yel'sh*
5153	H 817	....	29 17	−11 33	195±	12±	10 ...11	1820+	H	
5154	Ḥ V. 58	7 *Leonis*	29 19	14 55	81.4	42.42	....	1783.09	Ḥ 1	
5155	H 2500	....	29 46	14 31	273.0	3±	14 = 14	1830+	H	
5156	S 604	L 18884	29 59	−19 2	90.5	51.84	7 ...11	1825.17	S 2	
5157	H 818	W¹ IXh. 640	30 16	− 6 53	315±	12±	9 ...11	1820+	H	
5158	Σ 1372	DM (16°) 1997	30 31	16 46	53.0	0.49	8.2... 8.3	1829.60	Σ 3	*White*
5159	Hu 723	SD (16°) 2836	30 31	−16 43	184.4	1.93	8.5...11.0	1902.27	Hu 1	
5160	H 468	....	30 32	19 47	300±	12±	11 ...12	1820+	H	
5161	Ho 368	DM (25°) 2124	30 32	25 53	108.1	0.88	8.5... 8.9	1892.77	Ho 2	
5162	H 140	....	30 47:	5 55:	265±	25±	12 ...13	1820+	H	
5163	H 4224	O. Arg. S. 9908	30 52	−30 41	119.8	4±	8 ... 8½	1836.2	H	
5164	OΣ 204	W¹ IXh. 684	32 19	11 19	104.9	8.38	6.5...10.5	1846.58	OΣ 3	6.8 *white*
5165	Hu 724	SD (16°) 2846	32 32	−16 47	206.8	2.02	8.7...13.0	1902.27	Hu 1	
5166	H 4227	....	32 42	−28 43	344±	3±	10 ...13	1834+	H	
5167	H 2501	....	33 16	−26 12	95.2	8±	10–11 = 10–11	1830+	H	A and B
					140.6	10±	...14	1830+	H	A and C
5168	Σ 1373	DM (77°) 379	33 18	77 16	128.1	1.77	8.2... 9.5	1832.46	Σ 3	8.2 *yel'sh*
5169	Hu 229	DM (60°) 1201	33 50	60 48	186.0	1.04	9.5...10.0	1900.42	Hu 1	(*A. J.* 494)
5170	H 1169	....	33 53	4 1	155±	15±	10 ...12–13	1828+	H	
5171	Σ 1374	*Leo. Minoris* 30	33 56	39 30	274.7	3.31	7.0... 8.3	1828.34	Σ 3	*Yel'sh: blue*
5172	H 819	....	34 19	28 10	180±	7±	10 ...12	1820+	H	
5173	O. Stone 19	SD (16°) 2851	34 21	−16 37	265.4	3.04	7.7... 9.5	1883.53	W 3	
5174	Σ 1375	DM (35°) 2039	34 40	35 7	304.5	6.67	8.0... 9.8	1829.93	Σ 3	8.0 *white*
5175	Ḥ VI. 76	o (14) *Leonis*	34 45	10 26	40.4	63.48	....	1783.08	Ḥ 1	
5176	Hu 629	DM (51°) 1537	34 52	51 8	191.0	0.50	8.0... 8.5	1902.84	Hu 4	
5177	OΣ 205	L 18892	35 0	41 31	200.4	12.38	7.5...12.0	1848.25	OΣ 2	
5178	OΣ 206 *rej.*	W² IXh. 744	35 41	17 38	233.8	17.26	8.0...11.3	1867.47	*Δ* 3	
5179	H 2502	DM (18°) 2251	35 48	18 46	12.6	10±	9 ...10	1830+	H	
5180	Ḥ N. 20	L 19034	35 48	−23 3	270±	Cl. VI	....	1784	Ḥ	
5181	β 214	L 19064	35 52	−17 56	261.1	3.09	7.2...11.0	1875.28	*Δ* 2	
5182	H 2504	DM (14°) 2133	36 33	14 41	168.0	5±	9 ...13	1830+	H	
5183	H 2503	DM (49°) 1873	36 37	49 2	154.9	35±	9 = 9	1830+	H	
5184	H 2505	DM (13°) 2146	36 53	13 33	120±	12±	10 ...11	1830+	H	"P est. from diagram"
5185	H 4233	L 19092	36 55	−20 35	268.8	15±	8 ...10	1835.2	H	
5186	Σ 3122	DM (9°) 2230	37 3	9 31	252.7	12.91	9.0... 9.7	1830.20	Σ 2	
5187	Σ 1377	P IXh. 161	37 14	3 11	142.2	3.32	7.9...11.1	1830.24	Σ 4	7.9 *yel'sh*
5188	Σ 1376	DM (43°) 1958	37 26	43 47	315.8	5.04	8.2... 8.2	1828.98	Σ 3	*White*
5189	A. G. 169	A. G. Leiden 3960	37 35	34 10	....	....	9.4...	....	....	
5190	H 821	O. Arg. S. 10056	37 36	−15 47	351±	6±	9 ...12	1820+	H	8 m. in Arg.
5191	H 469	W² IXh. 780	37 49	19 25	240±	18±	7 ...12	1820+	H	
5192	H 470	....	38 3	20 13	200±	18±	9 = 9	1820+	H	
5193	H 4236	....	9 38 23	−30 12	50±	7±	11½ = 11½	1837.1	H	"P by diagram"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5194	H 4237	....	$9^h\ 38^m\ 24^s$	−30° 10′	310° ±	5″ ±	11½...12	1837.1	H	"P by diagram"
5195	Σ 1379	*Leonis* 61	38 54	9 26	173.2	9.61	7.5...11.2	1830.52	Σ 3	
5196	H 141	DM (4°) 2239	39 8	4 42	90 ±	30 ±	9 ...11	1820+	H	A and B
					150 ±	40 ±	...12	1820+	H	A and C
5197	Hu 630	DM (51°) 1543	39 36	51 31	72.5	2.43	8.8...8.8	1903.00	Hu 3	
5198	H 1170	....	39 45	59 36	320 ±	8 ±	....	1828+	H	
5199	H 2507	W^2 IX^h. 806	39 45	35 55	171.6	35 ±	8–9...12	1830+	H	
5200	Σ 1378	DM (75°) 395	39 45	75 10	1.5	5.02	8.5...10.2	1832.71	Σ 4	8.5 *white*
5201	H 142	DM (16°) 2022	39 58	16 7	140 ±	12 ±	10 ...11	1820+	H	
5202	H 143	....	40 28:	− 4 42:	240 ±	8–10	15 ...16	1820+	H	
5203	H 1171	....	40 45	47 20	200 ±	12 ±	10 ...11	1828+	H	Probably DM (47°) 1706
5204	See 116	Cord. 9^h. 3158	40 50	−28 1	200.3	2.86	8.1...10.8	1897.85	See 1	
5204½	A 62	SD (3°) 2772	40 58	− 3 24	66.1	3.73	9.0...10.3	1900.36	A 3	(*A. N.* 3668)
5205	H 2506	....	41 2	71 12	76.3	3 ±	9 ...13	1830+	H	
5206	H 822	DM (−1°) 2303	41 15	− 2 6	200 ±	16 ±	9 ...11	1820+	H	8.5 in DM
5207	Ho 253	W^1 IX^h. 876	41 21	10 38	289.2	1.00	7 ...12	1887.24	Ho 1	
5208	H 823	SD (7°) 2890	41 36	− 7 46	280 ±	12 ±	9 ...14	1820+	H	
5209	H 4244	....	41 43	−30 55	30 ±	12 ±	9½... 9½	1836.2	H	
5210	Σ 1382 *rej.*	*Leo. Minoris* 39	41 54	34 39	....	25 ±	8 ...11	1830+	H	A and B
					....	25 ±	...14	1830+	H	B and C
5211	Kr 33	A. G. Hels. 6087	42 22	58 46	215.3	1.85	9.0... 9.0	1891.22	β 1	
5212	OΣ 521	υ *Ursae Majoris*	42 27	59 36	295.3	11.32	4.2...11.8	1855.58	OΣ 7	
5213	Hn 99	Cord. G. C. 13351	42 28	−27 3	218.1	1.75	8.3...10.3	1888.87	Com 3	
5214	Σ 1381	DM (61°) 1146	42 30	61 11	217.6	1.50	8.5... 8.7	1832.28	Σ 3	*Very wh.*
5215	Σ 1383 *rej.*	....	42 35:	32 11:	....	Cl. IV	8–9...10–11	....	Σ	From *Cat. Nov.*
5216	H 2508	....	42 43	50 28	302.6	....	....	1830+	H	
5217	H 1172	W^2 IX^h. 864	42 45	44 34	270 ±	10 ±	9 ...11	1828+	H	
5218	H 3315	....	43 8	67 9	285.4	7 ±	11 ...12	1831+	H	
5219	OΣ 207 *rej.*	L 19259	43 17	17 24	322.4	19.05	7.7...10.8	1867.47	Δ 3	7.7 *orange*
5220	Innes 205	Cord. DM (25°) 6590	43 19	−25 53	20 ±	2 ±	7.1...10.1	1897.50	I	(*A. N.* 3438)
5221	Σ 1384	DM (17°) 2143	43 22	16 54	181.1	11.77	9.0... 9.7	1828.23	Σ 2	
5222	Σ 1385	DM (17°) 2144	43 23	17 7	0.2	1.23	8.5...10.7	1829.94	Σ 3	
5223	OΣ 208	φ *Ursae Majoris*	43 56	54 38	8.0	0.48	5.0... 5.6	1843.11	OΣ 4	
5224	Ho 369	W^2 IX^h. 896	43 57	37 3	98.0	0.32	7.7... 7.8	1891.31	Ho 2	A and B
					100.8	61.67	...12	1891.31	Ho 1	AB and C
5225	OΣ (App) 103	W^2 IX^h. 905	44 13	19 53	123.3	78.12	8.5... 9.0	1875.47	Δ 3	
5226	Σ 1380	Redhill 1444	44 26	80 57	29.0	1.70	7.6...10.7	1833.53	Σ 4	7.6 *yel.*
5227	OΣ 522	O. Arg. N. 10399	44 39	65 21	121.7	15.02	7.3...11.0	1851.29	OΣ 3	7.3 *red*
5228	A 344	A. G. Camb. 5120	45 8	29 50	29.0	0.44	8.6... 9.2	1902.26	A 2	(*Bul. L. O.* No. 29)
5229	Σ 1387	DM (69°) 541	45 11	69 31	269.6	8.93	9.5... 9.5	1832.97	Σ 2	
5230	Σ 1386	DM (69°) 542	45 12	69 28	296.0	1.98	8.2... 8.2	1832.11	Σ 3	*White*
5231	Σ 1388 *rej.*	DM (29°) 1958	45 22	29 7	....	Cl. IV	8 ... 9–10	....	Σ	From *Cat. Nov.*
5232	OΣ 209	Rad^1. 2406	45 22	51 11	307.1	4.86	7.2...10.2	1846.03	OΣ 4	7.0 *yel.* (See p. 1072)
5233	Σ 1389	DM (27°) 1819	45 32	27 33	329.2	1.67	8.0... 9.0	1830.61	Σ 3	*Yel'sh*
5234	Σ 1390	DM (17°) 2148	45 34	17 2	205.9	2.34	8.5... 9.5	1829.60	Σ 3	A and B 8.5 *wh.*
					39.6	10.73	...11.0	1856.28	Se 1	A and C
5235	A. Clark 5	8 *Sextantis*	46 34	− 7 32	50.5	0.55 ±	5½... 5¾	1854.22	Da 2	A and B
					314.3	30 ±	...12	1834+	H	AB and C
5236	H 2509	....	45 36	37 46	82.8	14 ±	10 ...11	1830+	H	
5237	H 2510	....	46 35	49 22	11.0	14 ±	11 = 11	1830+	H	
5238	Howe 24	Cord. DM (28°) 7695	46 54	−28 6	196.0	9.32	8.5...10.0	1885.12	W 1	
5239	S 605	9 *Sextantis*	47 50	5 31	292.7	51.02	7 ... 9	1825.01	S 2	
5240	H 4261	L 19394	47 54	−18 55	86.8	9 ±	8 ...10	1837.1	H	
5241	Σ 1391 *rej.*	DM (51°) 1557	48 3	51 46	....	III–IV	8–9... 9–10	....	Σ	From *Cat. Nov.*
5242	H 4262	SD (12°) 3019	48 38	−12 21	101.7	7 ±	9 ...12	1836.2	H	
5243	H 144	....	9 48 38:	10 48:	335 ±	10 ±	11 ...12	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5244	β 215	Lac. 4058	$9^h 48^m 41^s$	−27°26′	337°5	1″75	7.5... 9.0	1877.11	Cin 1	
5245	H 471	DM (31°) 2071	48 42	31 14	310±	5±	9 ...12	1820+	H	
5246	Hu 230	SD (11°) 2756	48 46	−11 29	85.5	0.30	9.0... 9.2	1900.24	Hu 1	(*A. J* 494)
5247	H 2511	....	48 50	22 14	129.9	7±	12 ...12–13	1830+	H	
5248	Σ 1395	L 19412	48 59	10 41	228.3	18.84	8.0...10.5	1828.95	Σ 4	8.0 *yel'sh*
5249	Σ 1392	DM (29°) 1971	49 8	29 40	179.7	9.39	8.5...11.2	1830.75	Σ 2	
5250	A. G. 170	DM (8°) 2287	49 13	8 40	39.1	2.21	9.2... 9.2	1895.36	Lp	
5251	β 592	O. Arg. S. 10209	49 16	−15 38	191.7	9.84	6.6...12.0	1879.18	β 5	
5252	Kr 34	A. G. Hels. 6127	49 21	58 49	63.0	36.20	9.2... 9.5	1891.22	β 1	
5253	H 146	....	49 22:	− 4 13:	120±	15±	10 ...11	1820+	H	
5254	Σ 1394	O. Arg. N. 10375	49 39	46 29	237.1	3.75	8.3... 9.3	1828.34	Σ 3	8.3 *yel'sh*
5255	Σ 1397	DM (25°) 2184	49 56	25 37	110.4	1.01	8.5...10.3	1830.60	Σ 3	
5256	Σ 1396	L 19441	49 57	11 14	129.3	3.51	8.2...10.0	1829.20	Σ 3	8.2 *white*
5257	H 2512	....	50 4	14 25	96.6	4±	12 = 12	1830+	H	
5258	A. G. 171	DM (21°) 2128	50 15	21 21	....	....	8.9...	....	....	
5259	Σ 1399	DM (20°) 2399	50 26	20 20	175.1	30.14	6.8... 7.8	1828.76	Σ 4	*White*
5260	Σ 1393 *rej.*	DM (74°) 420	51 6	74 9	257.0	12±	10 ...10–11	1830+	H	From H (V)
5261	H 824	DM (9°) 2267	51 14	9 44	177±	9±	10 ...11	1820+	H	
5262	A 63	SD (3°) 2820	51 20	− 3 21	356.8	1.52	8.8...11.7	1900.37	A 3	(*A. N.* 3668)
5263	β 216	Lac. 4074	51 20	−25 59	161.2	3.08	6.0...11.2	1877.20	Cin 2	
5264	H 2514	DM (4°) 2271	51 29	4 50	333.0	40±	10 ...11	1830+	H	
5265	Arg. 23	O. Arg. S. 10242	51 30	−27 59	196.3	8.61	8.5... 9.0	1877.58	Cin 1	
5266	H 2513	DM (59°) 1278	51 45	59 17	179.5	18±	9–10...10	1830+	H	
5267	H 1173	....	51 50	−14 12	1±	4±	12 ...12	1828+	H	
5268	Σ 1398	DM (69°) 550	51 52	69 18	229.0	3.66	7.5...10.7	1832.07	Σ 3	7.5 *wh.*
5269	H V. 63	*Leonis* 91	52 14	11 32	335±	52.17	....	1783.10	H 1	
5270	H 147	*Schj.* 3665	52 20	− 1 0	225±	20±	10 = 10	1820+	H	
5271	H 3317	....	52 26	0 27	188.8	20±	10 ...10	1831+	H	
5272	Σ 1400	DM (69°) 552	53 18	69 22	228.2	1.80	7.3...10.5	1832.39	Σ 3	7.3 *yel'sh*
5273	H 825	SD (14°) 2992	53 46	−14 23	305±	6±	9 ...10	1820+	H	
5274	H 148	....	53 41:	− 2 53:	40±	3–4	10 ...16	1820+	H	
5275	H 5478	....	53 55	45 34	40±	9±	10 ...11	1823+	H	
5276	Σ 1401	DM (6°) 2240	53 56	6 50	20.8	23.66	8.0...11.0	1829.18	Σ 2	8.0 *white*
5277	Doo —	....	54 0	58 43	106.4	30.21	9.2... 9.3	1898.35	Doo 3	(*Pub. Flower Obsy.* I)
5278	A 555	SD (6°) 3054	54 14	− 6 8	212.8	0.57	8.3...10.8	1903.04	A 2	(*Bul. L. O.* No. 50)
5279	Hu 725	DM (50°) 1705	54 17	50 17	181.4	0.27	9.0...10.0	1902.96	Hu 1	
5280	H 149	....	54 46:	5 36:	265±	30±	....	1820+	H	*Red: purple*
5281	OΣ 210	L 19562	55 2	46 56	270.6	0.94	7.5... 8.3	1845.27	OΣ 3	
5282	H 2515	Rad^1. 2425	55 4	50 27	....	....	7 ...15	1830+	H	
5283	H 3318	....	55 33	36 50	344.1	25±	9–10... 9–10	1831+	H	
5284	Hd 124	O. Arg. S. 10285	55 40	−22 11	9±	14±	8 ...10	1868.13	Hd	
5285	H 472	DM (28°) 1831	56 2	27 57	105±	5±	10 = 10	1820+	H	A and B
					150±	15±	...15	1820+	H	A and C
5286	Hu 231	SD (11°) 3004	56 10	−11 12	49.0	4.86	8.5...13.5	1900.24	Hu 1	(*A. J.* 494)
5287	H 2516	....	56 11	40 10	....	4±	12 ...12+	1830+	H	
5288	H 826	SD (9°) 2967	56 24	− 9 16	305±	12±	9–10...14	1820+	H	
5289	H 4277	Lac. 4106	56 27	−28 6	29.6	25±	8 ... 8½	1837.1	H	
5290	Σ 1403	DM (8°) 2310	56 32	8 17	339.2	2.91	8.9...10.6	1831.43	Σ 6	
5291	H 2517	W^2 IX^h. 1172	56 44	38 36	167.9	45±	7 ...12	1830+	H	
5292	Σ 1402	DM (56°) 1428	56 50	56 4	96.0	21.09	6.8... 8.0	1831.68	Σ 3	*Yel.: bluish*
5293	H 827	....	56 50	− 2 20	55±	1½–2	11 ...12	1820+	H	" Verified with 240 "
5294	A 64	SD (5°) 2977	56 51	− 5 21	343.1	1.47	8.7...12.2	1900.37	A 3	(*A. N.* 3668)
5295	Hu 631	DM (33°) 1938	56 59	33 14	271.9	0.76	7.0... 8.6	1903.05	Hu 3	
5296	H 1174	DM (2°) 2282	57 8	2 38	135±	8±	10 ...12	1828+	H	
5297	H 2519	DM (11°) 2155	57 36	11 51	32.4	8±	10 ...13	1830+	H	
5298	H 3320	....	9 57 41	2 25	153.8	10±	11–12...13	1831+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5299	**H 4279**	....	$9^h 57^m 57^s$	15° 55′	119°7	6″ ±	11½ = 11½	1836.2	H	
5300	**H 2518**	**DM** (52°) 1451	58 5	52 31	91.0	25 ±	9–10...12	1830+	H	"Another double *p*"
5301	**Ho 370**	**Cord. DM** (24°) 8711	58 10	−24 44	330.7	14.43	6.7...13	1892.30	Ho 3	
5302	**Σ 1404**	**W^1 IX^h.** 1228	58 11	− 1 7	292.8	6.11	8.7... 9.3	1830.45	Σ 5	*White*
5303	**β 1072**	**L** 19689	58 20	−17 31	42.6	10.90	6.9...12.3	1889.13	β 3	A and B
					272.7	21.50	7 ... 7½	1822.34	Sh 1	A and C
5304	**Σ 1406**	**DM** (31°) 2095	58 42	31 40	228.2	1.14	8.0... 8.7	1830.27	Σ 3	*White*
5305	**Σ 1405** *rej.*	*Leonis Minoris* 58	58 43	40 10	....	Cl. IV	7 ...10	....	Σ	From *Cat. Nov.* L 19664
5306	**H 150**	....	58 51:	− 5 5:	305 ±	8–10	13 ...14	1820+	H	
5307	**Innes 292**	**Lac.** 4128	58 52	−27 48	208.8	0.72	7.8... 8.0	1899.01	A 4	
5308	**H 473**	....	58 56	19 24	290 ±	25 ±	10 ...11	1820+	H	
5309	**Weisse 22**	**W^2 IX^h.** 1229	59 7	44 8	....	10 ±	9 ...	....	....	
5310	**H 474**	....	59 14	29 36	320 ±	9 ±	10 ...11	1820+	H	
5311	**H 828**	**DM** (27°) 1845	59 37	27 37	300 ±	6 ±	10 ...10+	1820+	H	
5312	**H 151**	....	59 44:	10 17:	35 ±	5 ±	12 ...14	1820+	H	
5313	**Innes 293**	**Lac.** 4134	59 45	−27 37	320.6	0.60	7.2... 8.0	1899.22	A 3	
5314	**H 3319**	**DM** (76°) 395	59 49	76 57	4.2	20 ±	9 ...10	1831+	H	
5315	**Σ 1407**	**DM** (65°) 751	10 0 11	65 2	52.5	4.87	9.0... 9.5	1832.39	Σ 3	
5316	**H 1175**	....	0 12	4 34	105 ±	10 ±	11 ...12	1828+	H	
5317	**H 829**	**SD** (9°) 2994	0 21	− 9 29	310 ±	12 ±	10 ...14	1820+	H	
5318	**Ho 371**	**Lac.** 4143	0 23	−30 18	40.6	6.38	6.5...12	1891.79	Ho 2	
5319	**Hd 125**	**W^1 IX^h.** 1273	0 48	− 1 8	*n*	1 ±	9 ...	1868.22	Hd	
5320	**S 607**	**O. Arg. S.** 10365	0 56	−18 44	326.2	11.35	10 ...10	1825.12	S 2	
5321	**H.C.Wilson 8**	**Cord. G. C.** 13781	1 0	−28 4	217.1	1.15	7.6... 7.7	1885.22	W 3	
5322	**Σ 1408**	**DM** (73°) 487	1 0	73 38	11.8	3.34	8.4... 9.2	1832.69	Σ 4	*White*
5323	**H 152**	....	1 5:	6 10:	....	....	....	1820+	H	No description
5324	**H 4285**	**O. Arg. S.** 10372	1 5	−22 33	2.0	10 ±	8½...10	1835.2	H	
5325	**β 217**	**Cord. G. C.** 13789	1 17	−24 18	274.1	1.85	7.8... 7.9	1878.47	Cin 3	
5326	**H 475**	**B. A. C.** 3456	1 21	32 12	170 ±	20 ±	6 ...19	1820+	H	
5327	**Weisse 23**	**W^1 IX^h.** 1284	1 21	6 57	310.1	3.52	9.5... 9.6	1895.40	Lp	
5328	**G.Anderson 5**	31 *Leonis*	1 32	10 35	43.3	7.94	5 ...15	1878.30	Hl 5	
5329	**β 218**	**L** 19765	1 41	−19 7	122.6	0.99	7.9... 8.4	1875.26	Δ 4	
5330	**H 3321**	....	1 54	67 29	133.5	4 ±	10 ...10+	1831+	H	
5331	**Σ 6, App. II**	α *Leonis* (**Regulus**)	2 0	12 33	306.6	176.90	1.5... 8.4	1836.24	Σ 5	A and B *Bluish*
					93.3	3.90	....	1867.31	Hd 2	B and C *wh.: wh.*
5332	**Σ 1411** *rej.*	**DM** (33°) 1946	2 15	32 57	306.2	30 ±	9–10...11	1830+	H	From H (V). 8.5 in DM
5333	**H 2520**	**DM** (22°) 2185	2 37	22 23	339.8	24 ±	8 ...11	1830+	H	
5334	**β 911**	**L** 19780	2 41	−19 10	311.5	4.75	7.5...11.2	1880.25	β 2	A and B
					83.1	47.30	... 9.3	1880.26	β 3	A and C
5335	**H 2521**	**DM** (44°) 1957	2 59	44 42	270 ±	15 ±	9–10...14	1830+	H	"P doubtful"
5336	**Σ 1409**	**DM** (80°) 313	3 3	80 4	184.2	7.79	8.7...11.2	1833.25	Σ 3	8.7 *yel'sh*
5337	**Σ 1412** *rej.*	**DM** (3°) 2323	3 29	3 45	....	Cl. IV	8 ...11	....	Σ	
5338	**H 153**	....	3 59:	− 1 22:	190 ±	12 ±	11 ...12	1820+	H	A and B
					115 ±	12 ±	...18	1820+	H	A and C
5339	**β 790**	**W^1 X^h.** 26	4 5	−12 17	67.9	2.17	8.6...10.1	1881.36	β 3	
5340	**H 830**	**SD** (13°) 3045	4 20	−14 3	50 ±	5 ±	9–10...11–12	1820+	H	
5341	**H 2522**	**DM** (48°) 1845	4 31	48 27	147.3	25 ±	9–10...11	1830+	H	8.8 m. in DM
5342	**β 593**	λ *Hydrae*	4 44	−11 46	118.4	50.76	4 ...13.5	1878.23	β 1	
5343	....	**DM** (10°) 2119	4 54	10 36	185.7	73.70	9.3... 9.5	1903.22	β 1	
5344	**Hu 632**	**DM** (49°) 1931	5 22	49 11	64.1	3.12	9.0...10.8	1903.00	Hu 3	
5345	**H 476**	**L** 19830	5 26	20 43	43 ±	15 ±	8 ...11	1820+	H	*Yellow: blue*
5346	**Ho 44**	**SD** (5°) 3008	5 27	− 5 34	10.9	0.41	8 ... 8	1884.32	Ho 2	
5347	**Σ 1413**	**DM** (17°) 2181	5 48	16 56	278.5	2.39	8.9... 8.9	1830.78	Σ 4	*Yel'sh: wh.*
5348	**Σ 1414**	**DM** (40°) 2304	6 19	40 4	93.8	3.92	9.2...10.3	1830.05	Σ 4	
5349	**OΣ 213**	**L** 19853	6 22	28 1	115.2	0.99	7.8... 9.5	1856.94	OΣ 6	
5350	**H 3322**	....	10 6 25	38 22	134.8	4 ±	11 = 11	1831+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5351	Σ 1416	L 19868	10^h $6^m 29^s$	−15°30′	275°.8	11″.25	6.7… 8.5	1827.73	Σ 2	6.7 *white*
5352	H 477	DM (25°) 2215	7 15	25 25	275±	8±	10 = 10	1820+	H	A and B “A fainter star, also *np.*”
					315±	10±	…19	1820+	H	A and C
5353	H 3323	….	8 1	67 19	287.3	3±	15 …15	1831+	H	
5354	Lewis 10	DM (18°) 2335	8 1	18 29	8.1	1.38	8.0… 8.5	1903.31	L 2	(*M. N.* LXIII 407)
5355	H 4296	DM (17°) 2189	8 11	17 22	137.9	12±	9 …12	1836.2	H	(See p. 1073)
5356	Σ 1415	O. Arg. N. 10662	8 11	71 40	167.1	16.73	6.1… 7.0	1832.21	Σ 4	*Very wh.*
5357	H 154	….	8 24:	− 0 35:	150±	10–12	11 …12	1820+	H	
5358	Hu 459	SD (17°) 3095	8 30	−17 26	88.5	1.04	9.4… 9.8	1902.35	Hu 3	(*Bul. L. O.* No. 21)
5359	Σ 1417	DM (19°) 2322	8 35	19 43	261.4	2.43	8.2… 8.2	1830.61	Σ 4	*White*
5360	H 1176	O. Arg. N. 10679	8 36	58 13	320.2	10±	10 = 10	1828+	H	
5361	Hu 633	DM (49°) 1933	8 38	49 20	341.6	0.36	8.4…10.5	1902.99	Hu 2	
5362	H 155	….	9 9:	15 0:	145±	15±	11 …12	1820+	H	
5363	Hu 634	DM (33°) 1962	9 23	33 45	167.1	1.83	8.4… 9.1	1903.05	Hu 3	
5364	H 156	DM (12°) 2180	9 35	12 36	330±	10±	10 …11	1820+	H	A and B
					360±	10±	…11	1820+	H	B and C
5365	OΣ 215	P X^h. 23	9 44	18 20	266.5	0.47	7.0… 7.2	1844.54	OΣ 4	
5366	Ho 45	DM (6°) 2280	9 49	6 35	145.2	9.60	9 …10	1884.35	Ho 2	
5367	Hn 100	SD (17°) 3100	9 58	−17 50	199.6	1.43	9.7…11.0	1888.87	Com 3	
5368	Σ 18, App. I	ζ and 35 *Leonis*	10 1	24 1	343.1	314.44	3.8… 6.0	1836.42	Σ 5	*Yel'sh: wh.*
5369	H 478	….	10 12	18 58	135±	3±	12 = 12	1820+	H	A and B
					345±	5±	…20	1820+	H	A and C
5370	H 2523	….	10 27	55 41	313.8	12±	11 …11	1830+	H	
5371	OΣ 523	39 *Leonis*	10 39	23 42	295.6	6.73	5.8…11.4	1851.26	OΣ 4	
5372	Σ 1419	W^1 X^h. 145	10 41	10 43	223.8	4.36	8.4… 9.1	1828.43	Σ 5	*Wh.: bluish*
5373	Hu 566	SD (10°) 3031	10 52	−10 10	226.0	1.05	8.5…12.0	1900.32	Hu 3	(*Bul. L. O.* No. 27)
5374	H 157	….	10 59:	− 2 49:	300±	15±	10 …13	1820+	H	“Small star *blue*”
5375	Hn 101	O. Arg. S. 10498	11 5	−20 4	113.8	1.49	6.0… 9.8	1888.73	Com 2	
5376	H 3324	DM (68°) 598	11 19	68 44	198.5	18±	9 …10	1831+	H	
5377	Σ 1421	W^2 X^h. 200	11 19	28 8	330.4	4.39	7.5… 8.5	1830.72	Σ 5	*Wh.: bluish*
5378	H 2525	….	11 25	37 6	87.0	16±	11 …11	1830+	H	H (VI)
5379	Σ 1420	DM (39°) 2337	11 29	39 43	327.5	2.40	8.2… 9.9	1831.69	Σ 5	
5380	H 831	SD (13°) 3080	11 34	−13 48	135±	15±	9 …11	1820+	H	
5381	A 65	SD (5°) 3034	12 4	− 5 49	158.5	4.58	8.3…14.0	1900.33	A 3	(*A. N.* 3668)
5382	H 2524	….	12 21	73 54	192.5	18±	10 …11	1830+	H	
5383	H 2526	….	12 31	34 20	8.4	15±	11 …13	1830+	H	
5384	H 3225	….	12 35	61 38	38.3	4±	11 …12	1830+	H	
5385	Σ 1423	DM (21°) 2172	12 37	21 10	99.3	1.12	8.6… 9.3	1830.94	Σ 6	*Yel'sh*
5386	H I. 71	….	12 46	54 49	87.9	….	….	1782.88	H 1	
5387	H 2527	….	12 52	7 47	253.6	15±	11–12..13	1830+	H	
5388	Σ 1424	γ *Leonis*	13 20	20 27	103.4	2.50	2.0… 3.5	1831.51	Σ 21	*Gold.: greenish red*
5389	Innes 206	L 20048	13 27	−22 34	328.0	1.01	9.0… 9.5	1902.26	I 1	
5390	H 5479	DM (0°) 2640	13 28	0 40	20±	15±	9 …13	1823+	H	
5391	H 158	W^1 X^h. 198	13 28	14 3	175±	15±	9 …12	1820+	H	(See p. 1073)
5392	H 479	….	13 42	28 36	360±	10±	11 = 11	1820+	H	
5393	H 159	W^1 X^h. 209	14 3	11 57	15±	35±	8 …10	1820+	H	*Red: blue* (See p. 1073)
5394	Ho 531	SD (3°) 2900	14 3	− 3 45	133.4	2.03	8 …10.7	1894.30	Ho 2	(*A. N.* 3557)
5395	Σ 1425	DM (46°) 1620	14 13	46 45	1.8	4.79	8.8… 9.5	1829.69	Σ 3	
5396	Hn 102	SD (20°) 3148	14 14	−20 45	173.3	1.34	9.8…10.8	1888.87	Com 3	
5397	Σ 1426	*Leonis* 145	14 15	7 2	256.8	0.62	7.8… 8.3	1832.26	Σ 3	A and B
					9.1	7.43	… 9.3	1832.22	Σ 3	AB and C AB *Yel'sh*
					45.2	34.39	…(15)	1876.36	Hl 1	AB and D
5398	Σ 1410	Redhill 1519	14 22	86 40	337.2	14.21	8.0… 9.8	1833.25	Σ 3	8.0 *yel.*
5399	H 4303	SD (21°) 3038	14 35	−22 0	89.3	10±	8 … 9	1835.2	H	
5400	Σ 1427	DM (44°) 1977	14 46	44 31	214.1	9.47	7.2… 7.7	1829.36	Σ 3	*White*
5401	Hn 103	Lam. 158	10 14 47	−15 45	336.9	1.58	9.2… 9.9	1888.56	Com 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5402	Hn 104	SD (15°) 3031	10^h 14^m 50^s	−16° 7′	14°9	3′32	10.0...10.1	1888.26	Com 2	
5403	Kr 36	A. G. Hels. 6318	14 54	62 13	244.9	5.17	9 ...10	1891.22	β 1	
5404	H 4305	Yar. 4304	14 54	−23 2	213.5	18±	8 ...10	1835.2	H	
5405	H 2528	....	15 22	72 42	102.5	9±	10 ...12	1830+	H	
5406	β 1321	DM (13°) 2244	15 39	13 2	131.3	1.75	9.1...12.3	1903.26	β 3	
5407	β 25	W^1 X^h. 242	15 46	− 9 10	180.5	1.76	8.4... 9.0	1875.23	Δ 4	
5408	β 219	Cord. G. C. 14126	15 56	−21 55	188.6	2.33	7.5... 9.2	1876.14	Cin 3	
5409	OΣ 216	*Leonis* 150	16 20	15 58	167.9	2.06	7.0...10.5	1845.62	OΣ 3	
5410	β 912	W^1 X^h. 253	16 26	−13 4	106.3	0.95	8.6...11.9	1879.17	β 2	
5411	H 4309	....	16 37	−29 44	50±	15±	10 = 10	1834+	H	
5412	Sh 115	*Leonis* 155	17 2	6 18	330.4	60.39	7 ...12	1823.14	Sh 3	
5413	H 2529	....	17 19	13 10	95.3	1½	11 ...12	1830+	H	A and B
					10.8	7±	...14	1830+	H	A and C
5414	H 4311	L 20158	17 26	−12 46	122.3	4±	7 ...14	1836.2	H	
5415	OΣ (App) 104	L 20141	17 27	34 48	286.3	207.22	7.0... 7.5	1875.63	Δ 2	
5416	H 3326	....	17 57	36 34	177.2	15±	11 ...11	1831+	H	
5417	Hn 105	O. Arg. S. 10588	18 0	−19 19	116.6	0.91	9.5...10.5	1888.91	Com 3	
5418	β 1322	L 20170	18 1	2 59	325.8	7.84	7 ...13.3	1904.29	β 3	A and B
					64.2	209.84	... 7	1904.29	β 3	A and C
5419	H 4313	....	18 2	−28 58	138.3	7±	10 = 10	1834.3	H	"Points to a star 9 m."
5420	H 480	....	18 13	31 53	75±	7±	12 ...12+	1820+	H	
5421	Σ 1429	DM (25°) 2247	18 22	25 14	270.6	1.52	8.3... 8.3	1829.28	Σ 3	
5422	Σ 1428	P X^h. 58	18 25	53 14	84.3	3.84	7.5... 8.0	1831.69	Σ 3	*White*
5423	Σ 1430 *rej.*	DM (41°) 2089	18 35	41 31	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
5424	H 160	....	19 10	− 3 43	295±	5–6	12 ...13	1820+	H	Place from H (V)
5425	H 481	....	19 12	25 41	305±	5±	9 ...11	1820+	H	
5426	Σ 1431	P X^h. 67	19 16	9 23	65.9	3.20	8.0... 9.7	1832.56	Σ 3	*Wh.: bluish wh.*
5427	H 1177	....	19 31	3 49	60±	12±	10 ...11	1828+	H	
5428	β 1280	L 20225	19 55	4 33	17.8	0.88	9.1...11.7	1899.40	A 2	B and C
					191.5	116.26	7.2...	1899.25	β 3	A and BC
5429	Σ 1432	DM (30°) 2014	20 14	30 17	124.3	29.53	8.0... 9.8	1829.94	Σ 3	8.0 *yel'sh wh.*
5430	Σ 1433 *rej.*	SD (3°) 2920	20 20	− 3 26	....	III–IV	9 ...11	....	Σ	From *Cat. Nov.*
5431	OΣ 217	L 20234	20 24	17 50	149.1	0.52	7.3... 7.8	1851.30	OΣ 5	
5432	H 161	....	20 31:	11 47:	225±	20±	12 ...13	1820+	H	
5433	Σ 1434	W^2 X^h. 379	20 38	18 41	269.5	6.08	8.5... 8.5	1830.22	Σ 4	
5434	Hu 635	DM (48°) 1868	21 11	48 10	173.9	4.27	9.2... 9.2	1903.02	Hu 2	
5435	H 2531	....	21 17	40 49	4.8	9±	10 ...11	1830+	H	
5436	H 832	45 *Leonis*	21 18	10 23	140±	40±	6 ...15	1820+	H	
5437	OΣ 218	L 20278	21 18	4 10	63.0	1.21	7.3... 9.2	1855.12	OΣ 6	
5438	Σ 1435	DM (20°) 2491	21 25	20 27	201.3	8.30	9.2...10.0	1827.29	Σ 2	
5439	H 1179	....	21 41	0 37	130±	10±	10 ...12	1828+	H	
5440	H 1178	....	21 49	56 48	100±	....	....	1828+	H	"P est. from diagram"
5441	Σ 1438 *rej.*	DM (13°) 2261	22 7	13 47	250.7	18±	8–9...10	1830+	H	From H (V)
5442	H 2532	DM (38°) 2144	22 35	38 35	73.3	12±	9–10 = 9–10	1830+	H	
5443	Σ 1436	DM (57°) 1271	22 38	56 58	251.3	10.26	8.0...10.0	1831.32	Σ 2	8.0 *yel'sh*
5444	OΣ 219	Rad^r. 2500	22 44	51 36	298.2	13.21	7.0...10.3	1847.65	OΣ 3	
5445	OΣ 220	P X^h. 85	22 51	10 46	62.3	1.27	7.1... 9.0	1853.73	OΣ 7	
5446	OΣ (App) 105	W^2 X^h. 437	23 10	29 12	225.2	130.40	6.8... 7.8	1875.86	Δ 3	
5447	H 833	Mü I, 5359	23 19	− 0 29	20±	15±	9 ...12	1820+	H	
5448	Σ 1439	DM (21°) 2202	23 32	21 25	131.4	2.02	8.0... 8.5	1829.26	Σ 3	*White*
5449	H 3327	....	23 43	68 37	110.3	2½	10–11 = 10–11	1831+	H	"Very neat star"
5450	H 162	....	23 45:	15 16:	330±	15–20	9 ...11	1820+	H	Probably DM (15°) 2208
5451	Σ 1440	W^1 X^h. 398	23 45	− 3 18	346.4	15.10	8.0... 9.5	1832.22	Σ 2	8.0 *white*
5452	Ho 372	W^1 X^h. 399	24 0	12 15	78.2	13.27	8.0...12.0	1891.82	Ho 2	
5453	H 4321	δ *Antliae*	24 4	−30 0	225.4	10.62	6 ...10	1848.10	J	
5454	H 5480	....	10 24 24	79 27	66.1	4±	10 ...11	1828.7	H	"Very beautiful"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5455	Σ 1437	DM (74°) 438	10^{h}24^{m}31^s	74°27′	289°.7	23′.49	7.2... 9.7	1832.42	Σ 2	*7.2 wh.*
5456	H 4322	O. Arg. S. 10681	24 41	−24 16	101.1	8±	7½...13	1835.2	H	
5457	Ku 35	DM (48°) 1872	24 52	48 0	15.6	1.17	9.4...10.0	1901.25	Ku 2	(Kustner (3821)
5458	H 482	33 *Leonis Minoris*	24 53	33 0	225±	25±	6 ...20	1820+	H	
5459	Σ 1441	P X^h. 94	24 58	− 7 1	169.3	2.59	6.4... 9.9	1830.12	Σ 7	6.4 *golden*
5460	H 483	DM (32°) 2040	25 11	32 48	140±	8±	9 ...11	1820+	H	
5461	Σ 1442	W^2 X^h. 478	25 25	22 39	155.2	13.33	7.2... 7.8	1831.10	Σ 6	*Very wh.*
5462	Hu 636	DM (33°) 2000	25 27	33 27	204.7	1.76	9.0...10.5	1902.99	Hu 2	
5463	H 2533	DM (3°) 2380	25 27	3 12	335.0	7±	10...10–11	1830+	H	
5464	H 484	....	25 49	28 16	180±	4±	9 ...13	1820+	H	
5465	H 4325	Cord. DM (30°) 8513	26 12	−30 43	168.6	12±	8½... 9	1835.1	H	
5466	H 2534	B. A. C. 3607	26 14	41 2	314.6	25±	5 ...16	1830+	H	
5467	A 345	SD (7°) 3055	26 14	− 7 35	212.2	0.62	8.2...11.0	1902.20	A 2	(*Bul. L. O.* No. 29)
5468	Σ 1443	W^2 X^h. 494	26 21	38 18	156.3	4.77	9.0... 9.0	1829.94	Σ 3	
5469	β 1073	*Sextantis* 101	26 26	− 5 27	46.9	3.02	7.0...11.5	1889.29	β 3	
5470	Σ 1445	Mü I. 5426	26 35	− 0 15	167.4	2.42	8.8...11.8	1827.58	Σ 3	8.8 *yel'sh*
5471	H 2535	....	26 43	51 37	304.5	12±	8 ...13	1830+	H	"Very neat"
5472	Σ 1446	DM (15°) 2220	27 7	15 50	251.4	5.11	8.5... 9.3	1829.86	Σ 3	
5473	H 164	....	27 8:	6 31:	30±	20±	11 ...12	1820+	H	
5474	Σ 1447	*Leonis* 178	27 13	23 58	125.2	4.30	7.1... 8.9	1830.86	Σ 5	*Very wh.: bluish*
5475	Σ 1444 *rej.*	DM (64°) 795	27 27	64 13	268.1	15±	9 ...11	1831+	H	
5476	Σ 1448	DM (22°) 2236	27 51	22 13	258.7	10.90	7.0... 9.0	1827.28	Σ 2	7.0 *yel'sh*
5477	S 610	O. Arg. S. 10718	28 3	−17 13	35.9	100.86	10 ...10½	1825.18	S 2	
5478	Σ 1449	DM (35°) 2159	28 15	35 45	289.2	35.99	8.5... 8.7	1829.29	Σ 2	
5479	H 2536	....	28 17	32 14	100.5	10±	11 ...13	1830+	H	
5480	β 1269	44 *Hydrae*	28 18	−23 8	63.8	18.33	5 ...14	1892.23	β 1	
5481	β 1074	L 20453	28 20	46 16	208.4	2.10	6.4...11.2	1889.27	β 3	
5482	H 485	....	28 26	20 7	....	25±	11 = 11	1820+	H	
5483	H 4331	....	28 34	−30 29	263.3	1½	11½...11½	1836.2	H	
5484	Σ 1450	49 *Leonis*	28 45	9 16	161.1	2.39	6.0... 8.7	1830.76	Σ 6	*Wh.: bluish*
5485	Σ 1451	DM (27°) 1907	28 46	26 54	267.5	8.18	8.5... 9.5	1828.95	Σ 3	A and B
					315±	15±	...(16)	1820+	H	A and C
5486	H 487	DM (30°) 2641	29 28	30 45	3±	6±	9 ... 9	1820+	H	
5487	Σ 1452	Mü I. 5497	29 37	3 11	329.7	10.05	9.0... 9.1	1832.66	Σ 5	
5488	Hn 107	SD (17°) 3186	29 40	−17 19	309.0	1.60	10.3...10.8	1888.91	Com 3	
5489	H 165	W^1 X^h. 499	29 46	12 14	330±	3±	8 ... 9	1820+	H	
5490	Weisse 24	W^2 X^h. 559	29 59	42 45	239.0	17.91	9 ... 9.3	1904.02	β 2	
5491	β 411	Lac. 4360	30 25	−26 3	294.6	1.33	6.7... 8.0	1878.28	Cin 2	
5492	β 1075	ϕ^2 *Hydrae*	30 25	−15 43	277.1	3.03	6.0...13.0	1889.14	β 3	
5493	OΣ 222	Rad^1. 2526	30 29	60 45	340.3	4.57	6.7...10.7	1847.72	OΣ 3	
5494	H 4336	....	30 40	−29 52	....	1½	10 ...11	1834+	H	
5495	H 2538	DM (44°) 2004	30 51	44 45	163.4	15±	9–10..12	1830+	H	
5496	Σ 1453	W^1 X^h. 530	30 55	−12 55	228.6	8.32	8.5... 9.7	1829.25	Σ 2	
5497	H 2539	DM (44°) 2005	30 56	44 46	51.8	16±	10 ...13	1830+	H	
5498	H 2537	....	30 59	52 35	20±	7±	9–10..13–14	1830+	H	
5499	A 556	SD (8°) 2963	31 1	− 8 13	54.0	1.34	6.8...10.0	1903.04	A 2	(*Bul. L. O.* No. 50)
5500	OΣ 223 *rej.*	L 20523	31 10	41 4	146.3	18.60	7.3...12.0	1868.21	Δ 3	
5501	Σ 1454	DM (27°) 1914	31 30	27 14	307.9	3.47	7.5...10.2	1830.65	Σ 3	7.5 *yel'sh*
5502	H 2540	DM (5°) 2362	31 32	5 43	305.5	20±	9–10..13	1830+	H	
5503	H 834	W^1 X^h. 545	31 40	− 9 6	220±	20±	9 ...12	1820+	H	
5504	H 4337	O. Arg. S. 10765	31 45	−18 44	246.0	5±	9 ...10	1835.2	H	
5505	H 5481	DM (28°) 1911	31 54	28 2	180±	4±	9 ...13	1827.2	H	
5506	Σ 1456	W^1 X^h. 534	32 7	1 52	45.3	13.52	8.0... 9.7	1833.73	Σ 2	8.0 *white*
5507	H 835	DM (6°) 2327	32 17	6 0	20±	12±	9–10..11	1820+	H	
5508	Σ 1457	DM (6°) 2328	32 28	6 21	287.8	0.71	7.4... 8.4	1829.55	Σ 4	*Yel'sh: wh.*
5509	Σ 1458	W^2 X^h. 624	10 32 45	32 20	215.4	17.74	8.0... 8.2	1830.62	Σ 3	*White*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5510	H 488	W^2 X^h. 629	$10^h\ 32^m\ 50^s$	29°23′	30° ±	25″ ±	8 ...11	1820+	H	(See p. 1073)
5511	H 3328	....	32 57	60 14	172.4	7 ±	10–11...11	1831+	H	
5512	A 66	SD (5°) 3114	33 6	− 5 15	133.6	0.67	8.6... 9.0	1900.35	A 3	(*A. N.* 3668)
5513	Hn 108	SD (16°) 3103	33 18	−16 57	21.5	1.04	8.7... 9.7	1888.61	Com 3	
5514	Σ 1459	DM (39°) 2370	33 18	39 2	153.1	5.23	8.0... 8.5	1829.95	Σ 3	*Yel.: wh.*
5515	OΣ 224	P X^h. 128	33 25	9 28	13.7	0.35	7.2... 9.2	1843.22	Ma 2	
5516	Σ 1460	*Ursae Majoris* 172	33 35	42 47	168.7	3.31	8.1... 8.1	1830.07	Σ 4	*White*
5517	Perrotin	W^2 X^h. 656	33 35	19 52	248.5	0.73	7.5... 9.7	1884.27	Per 3	A and B AC= OΣ 225
					350.7	6.55	7.5... 9.8	1851.14	OΣ 6	AB and C
5518	H 2541	....	33 40	57 50	90.0	8 ±	12 = 12	1830+	H	
5519	OΣ 226 *rej.*	L 20595	33 47	42 9	58.4	17.89	7 ...11.8	1878.15	β 1	
5520	H 166	DM (12°) 2241	33 53	12 39	277.3	3 ±	11 ...12	1830+	H	A and B
					60 ±	20 ±	...12	1830+	H	A and C
5521	H 167	DM (12°) 2242	34 17	12 42	315 ±	30 ±	9 ...13	1820+	H	*White: blue.*
5522	H 4339	L 20627	34 37	−12 53	61.3	30 ±	7 ...	1834+	H	8.0 in DM A and BC
					89.3	3 ±	13 = 13	1834+	H	B and C
5523	Σ 1461	DM (47°) 1799	34 51	47 17	137.7	8.90	8.2... 9.7	1831.32	Σ 2	8.2 *white*
5524	Hd 128	W^1 X^h. 598	35 0	−12 28	257.3	4.03	8.2... 9.0	1869.74	Hd 2	
5525	Σ 1464	DM (0°) 2693	35 2	0 22	302.3	5.39	7.9...10.6	1831.64	Σ 5	7.9 *yel'sh*
5526	A 557	A. G. Camb. 5458	35 6	28 6	129.6	4.45	9.0...14.0	1903.34	A 3	(*Bul. L. O.* No. 50)
5527	OΣ 227	L 20642	35 22	11 22	326.5	0.53	7.5... 8.5	1845.64	OΣ 3	7.6 *yel.*
5528	Σ 1462	DM (51°) 1621	35 36	51 26	176.2	8.63	7.8... 9.7	1831.64	Σ 3	7.8 *very wh.*
5529	Σ 1463	DM (47°) 1803	35 46	47 19	258.3	7.49	8.5... 9.0	1831.99	Σ 3	8.5 *yel'sh*
5530	H 3329	....	35 46	77 27	43.6	12 ±	9–10...11	1831+	H	
5531	S 611	SD (13°) 3193	35 53	−14 5	193.8	59.33	10 ...11	1825.18	S 2	
5532	H 4342	....	36 2	−30 7	52.5	18 ±	9 ...13	1834.3	H	
5533	Σ 1465	DM (45°) 1855	36 10	45 15	14.4	2.24	8.5... 8.8	1829.32	Σ 3	*Yel'sh wh.*
5534	Hn 11	....	36 15	− 2 15	86.8	3.75	8.7... 9.5	1881.33	β 1	
5535	β 913	40 *Leonis Minoris*	36 26	26 57	122.8	10.92	6.0...13.0	1880.30	β 5	
5536	A 67	SD (5°) 3126	36 28	− 5 54	209.6	1.95	8.8...10.8	1900.35	A 3	(*A. N.* 3668)
5537	....	P X^h. 135, 137	36 29	46 50	87.7	288.09	5.2... 7.2	1874.66	Δ 2	
5538	H 489	....	37 0	25 33	300 ±	30 ±	....	1820+	H	"Close to a bright neb. I, 81"
5539	Σ 1466	35 *Sextantis*	37 7	5 23	240.6	6.72	6.1... 7.2	1832.82	Σ 4	*Yel.: blue*
5540	Hn 109	O. Arg. S. 10830	37 21	−20 24	141.8	1.86	10.3...10.4	1888.91	Com 3	
5541	H 2543	DM (33°) 2021	37 23	33 7	31.0	1½	10 ...11	1830+	H	
5542	H 3330	....	37 26	62 42	92.4	2 ±	12 ...12–13	1831+	H	
5543	H 2542	DM (74°) 443	37 30	74 3	234 ±	15 ±	9 ...10	1830+	H	
5544	Σ 1468	W^2 X^h. 747	38 11	21 20	334.6	3.75	8.7... 8.7	1831.27	Σ 4	*Very wh.*
5545	Σ 1467	DM (45°) 1860	38 13	45 36	295.3	4.21	8.0...10.7	1831.34	Σ 3	8.0 *yel'sh*
5546	Ho 532	DM (39°) 2376	38 25	39 7	326.0	1.18	8 ...12	1896.34	Ho 2	(*A. N.* 3557)
5547	H 5482	....	38 47	76 29	43.0	5 ±	10 ...11	1828.7	H	
5548	S 612	42 *Leonis Minoris*	39 1	31 19	172.6	200.30	6 ... 8	1825.20	S 2	
5549	H 836	....	39 5	28 40	20 ±	1½	16 ...17	1820+	H	
5550	Σ 1455	....	39 11:	86 24:	244.5	33.51	8.7...	1833.57	Σ 3	A and BC
					353.6	1.82	10.2...10.5	1833.57	Σ 3	B and C
5551	Σ 1469	DM (66°) 682	39 42	66 6	322.5	10.84	7.0...10.0	1831.50	Σ 2	7.0 *white*
5552	β 914	L 20750	39 46	−10 14	338.6	1.30	6.8...11.4	1880.27	β 2	
5553	H 2544	DM (51°) 1624	39 56	51 16	81.7	25 ±	9 ...15	1830+	H	
5554	H 490	....	39 56	27 45	275 ±	7 ±	10 ...13	1820+	H	
5555	Hn 110	O. Arg. S. 10860	40 1	−19 5	274.6	2.05	9.2...10.2	1888.30	Com 2	
5556	Σ 1470	L 20756	40 9	− 5 8	6.2	1.38	8.2... 8.5	1833.01	Σ 4	
5557	Σ 1472	DM (13°) 2304	40 39	13 40	39.6	33.74	7.8... 8.5	1828.55	Σ 4	*Yel'sh: wh.*
5558	OΣ 228	L 20764	40 46	23 12	196.1	0.49	7.2... 8.1	1851.71	OΣ 5	
5559	H 4365	O. Arg. S. 10872	40 48	−27 32	99 ±	10 ±	9½...15	1834.3	H	
5560	OΣ 229	L 20767	41 8	41 46	347.0	0.68	6.7... 7.1	1846.55	OΣ 5	
5561	H 837	DM (8°) 2414	10 41 33	8 11	340 ±	15 ±	8–9...10	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5562	Σ 1473	P X^h. 159	$10^h 41^m 43^s$	−14°59′	10°0	30′66	8.0... 8.9	1832.02	Σ 4	*White*
5563	Σ 1474	L 20799	41 43	−14 38	22.2	71.67	6.9... 8.0	1831.67	Σ 5	A and B } *Very wh.*
					196.1	6.38	... 7.7	1831.67	Σ 5	B and C
5564	H 2545	DM (56°) 1474	42 1	55 55	116.3	15±	8–9...11	1830+	H	
5565	β 595	SD (14°) 3190	42 9	−14 20	14.6	2.32	9.0...11.0	1878.21	β 1	
5566	S 615	W^1 X^h. 731	42 18	−14 1	358.7	86.08	10 ...11	1825.18	S 2	
5567	Σ 1475 *rej.*	DM (42°) 2148	42 32	42 1	202.4	23.50	8 ...11.5	1904.02	β 2	
5568	H 4372	....	42 38	−28 7	331.8	7±	11 = 11	1834.3	H	
5569	Σ 1471	DM (80°) 337	43 0	80 26	3.5	2.07	9.0... 9.1	1833.79	Σ 4	*White*
5570	β 596	*Leonis* 222	43 2	17 47	277.3	2.38	6.5...13.0	1878.26	β 2	
5571	Ho 374	W^2 X^h. 847	43 8	23 28	272.0	2.75	8.4...12.0	1891.56	Ho 3	
5572	Σ 1476	W^1 X^h. 752	43 12	− 3 23	353.7	1.89	7.2... 8.0	1832.61	Σ 3	*White*
5573	β 915	DM (25°) 2303	43 13	24 55	232.9	1.18	9.0... 9.2	1880.37	β 2	
5574	Σ 1477	W^1 X^h. 750	43 17	13 34	275.5	17.58	8.3... 8.8	1828.89	Σ 3	*Yel'sh wh.: wh.*
5575	H 838	41 *Sextantis*	44 17	− 8 16	305±	20±	6 ...17–18	1820+	H	
5576	Σ 1478	DM (25°) 2306	44 33	25 5	347.3	8.76	8.5...11.0	1829.20	Σ 2	
5577	H 169	....	44 51:	− 3 32:	70±	2±	13 ...14	1820+	H	A and B
					305±	25±	...15	1820+	H	A and C
5578	H 2546	....	44 59	48 42	53.8	4±	10–11..11–12	1830+	H	
5579	β 111	SD (8°) 3023	45 11	− 8 28	3.3	3.32	9.9...10.3	1875.21	Δ 3	
5580	Ho 375	L 20906	45 25	−20 53	174.1	12.30	7.5...12.0	1890.36	Ho 2	(*A. N.* 3233)
5581	....	L 20918	45 47	−20 37	186.0	46.01	6 ...11	1903.82	β 2	
5582	Δ 14	Mü I. 5904	45 51	− 6 33	193.0	5.92	8.0...11.2	1864.82	Δ 5	A and B } AC = Σ 1481
					344.1	29.88	8.0... 8.8	1829.94	Σ 3	A and C
5583	Σ 1482	P X^h. 179	45 55	8 6	305.3	11.70	8.0... 8.9	1831.97	Σ 4	*White*
5584	Ho 376	DM (23°) 2271	46 11	23 50	215.2	2.17	8.8...10.0	1890.36	Ho 2	
5585	Hu 567	DM (22°) 2285	46 26	22 47	189.0	0.65	9.3...10.0	1902.40	Hu 2	(*Bul. L. O*, No. 27)
5586	Hu 460	SD (17°) 3252	46 39	−18 0	84.9	0.39	8.5... 9.5	1902.32	Hu 2	(*Bul. L. O.* No. 21)
5587	H 2547	DM (14°) 2312	47 6	14 4	69.4	25±	9–10...10	1830+	H	
5588	Weisse 25	W^1 X^h. 833	47 8	12 12	....	....	9 ...	....	....	
5589	H 1180	....	47 12	4 30	35±	12±	11 ...12	1828+	H	
5590	S 617	L 20956	47 19	− 1 37	177.8	35.22	6 ...10	1824.22	S 2	
5591	A 132	L 20958	47 20	−10 7	200.8	4.23	8.5... 9.3	1901.26	A 2	
5592	Σ 1483	DM (48°) 1898	47 30	48 8	67.2	3.30	8.7... 8.7	1832.30	Σ 3	*White*
5593	....	b^3 *Hydrae*	47 37	−19 29	210±	135±	5 ...	1873.29	β	A and B
					130±	5±	9.0...10.0	1873.29	β	B and C
5594	Ma 5	....	47 38	− 1 29	15.4	0.4	7 ...	1843.29	Ma 1	
5595	Σ 1484	DM (46°) 1673	47 40	46 6	338.5	11.95	8.7...12.0	1832.32	Σ 2	
5596	Σ 1485 *rej.*	DM (44°) 2028	47 44	44 13	....	Cl. IV	8 ...11	....	Σ	From *Cat. Nov.* (See p. 1073)
5597	Σ 1486	DM (52°) 1522	47 52	52 46	102.8	28.32	7.5... 8.8	1831.38	Σ 3	7.5 *yel.*
5598	Hu 568	DM (21°) 2260	48 0	21 22	32.4	0.35	9.3... 9.8	1902.40	Hu 2	(*Bul. L. O.* No. 27)
5599	OΣ 230	L 20971	48 5	21 25	4.7	8.65	7.7...11.2	1846.95	OΣ 3	
5600	β 597	DM (24°) 2285	48 20	24 24	46.9	0.88	8.5...11.0	1878.22	β 2	
5601	H 2548	....	48 40	70 41	22.5	15±	10–11..14	1830+	H	A and B
					208.0	18±	...14	1830+	H	A and C
5602	Σ 1480 *rej*	....	48 41:	82 51:	....	Cl. IV	8–9...10	....	Σ	Probably DM (82°) 321
5603	Σ 1487	54 *Leonis*	49 7	25 23	102.8	6.17	5.0... 7.0	1830.35	Σ 4	*Greenish wh.: blue*
5604	O. Stone 20	O. Arg. S. 10977	49 29	−26 26	207.2	3.81	9.0... 9.5	1885.68	W 2	
5605	β 1076	55 *Leonis*	49 32	1 23	49.7	0.99	5.8...10.3	1889.28	β 3	
5606	Hn 111	....	49 38	−17 40	69.0	5.10	8.8...11.0	1888.76	Com 2	*Yel.: blue*
5607	Σ 1488 *rej.*	DM (52°) 1526	49 39	52 49	....	Cl. IV	8 ...11	....	Σ	
5608	Σ 1479	Redhill 1619	49 58	83 52	22.0	4.60	8.0... 9.0	1833.14	Σ 4	*Yel'sh: wh.: ashy wh.*
5609	H 491	DM (28°) 1953	50 1	28 33	130±	15±	9 ...10	1820+	H	
5610	H V. 62	57 *Leonis*	50 1	1 4	....	33.27	....	1783.09	H 1	
5611	Hu 726	DM (35°) 2195	50 2	35 22	....	....	9.1...	1902.	Hu	
5612	H 2549	DM (53°) 1448	10 50 5	53 33	139.0	15±	9–10...11	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5613	Σ 1489 *rej.*		10^h 50^m 14^s	18° 17′	....	....	8...9...10	....	Σ	
5614	Σ 1490 *rej.*	....	50 14:	18 16:	....	Cl. IV	8 ...10	....	Σ	
5615	S 618	SD (20°) 3299	50 17	−20 28	215°7	79′10	10 ...10½	1825.23	S 2	
5616	A 68	SD (2°) 3254	50 46	− 2 18	94.0	0.39	8.8... 9.0	1900.34	A 2	(*A. N.* 3668)
5617	Σ 1492 *rej.*	DM (31°) 2207	51 1	31 18	166.9	20±	8–9...13	1830+	H	From H (v)
5618	Σ 1493 *rej.*	DM (0°) 2720	51 13	0 28	....	Cl. IV	7–8...11	....	Σ	From *Cat. Nov.*
5619	H 4384	....	51 13	−26 16	45±	8±	11 = 11	1834+	H	
5620	Σ 1491	DM (62°) 1156	51 18	62 21	31.8	14.08	8.0...11.2	1832.67	Σ 4	8.0 *yel.*
5621	H 2551	....	51 22	13 52	....	30±	10 ...11	1830+	H	"Taken by mistake for Σ 1496"
5622	Hu 637	SD (17°) 3265	51 38	−17 40	66.3	5.20	8.0...11.0	1901.01	Hu 3	
5623	Σ 1494	DM (37°) 2139	51 45	37 40	329.9	10.06	8.3...10.0	1829.32	Σ 3	8.3 *wh.*
5624	Σ 1496	DM (14°) 2324	51 59	13 55	352.8	18.96	8.0...10.0	1828.53	Σ 3	8.0 *wh.*
5625	Σ 1497 *rej.*	DM (9°) 2434	52 22	9 46	....	Cl. III	9 ... 9	....	Σ	
5626	H 2550	....	52 28	74 18	77.5	6±	10 ...11	1830+	H	
5627	Σ 1495	DM (59°) 1338	52 28	59 33	38.2	34.49	6.0... 8.3	1833.07	Σ 3	*Yel'sh: wh.*
5628	H 4389	O. Arg. S. 11018	52 33	−30 55	336.7	8±	9 ... 10	1834.3	H	
5629	A. G. 172	DM (23°) 2228	53 22	23 35	....	....	8.6...	1902.27	....	
5630	A 133	SD (6°) 3278	53 25	− 6 42	20.9	0.29	9.1... 9.1	1901.29	A 3	
5631	Ho 46	....	53 40	36 45	97.2	2.01	10 ...10	1885.33	Ho 2	
5632	Σ 1498 *rej.*	DM (67°) 677	53 49	67 6	289.4	28±	8 ...11	1831+	H	From H (vi)
5633	Σ 1500	SD (2°) 3264	53 55	− 2 50	330.9	1.06	7.6... 8.2	1825.22	Σ 2	*Yel'sh*
5634	A 134	SD (6°) 3282	54 0	− 6 19	147.6	1.53	9.7... 9.8	1901.29	A 3	
5635	O. Stone 21	O. Arg. S. 11040	54 18	−25 24	155.3	6.01	10.0...10.0	1877.09	Cin 1	
5636	Hu 128	SD (11°) 2993	54 18	−11 6	46.1	1.11	8.5...11.2	1900.30	Hu 3	(*A. J.* 485)
5637	A. G. 173	A. G. Alb. 4181	54 22	3 37	126.5	1.69	9.1... 9.3	1902.66	M 3	
5638	H 2552	DM (52°) 1533	54 25	52 50	144.4	18±	9–10...14	1830+	H	
5639	β 598	59 *Leonis*	54 32	6 45	220.9	46.76	5.5...13	1878.24	β 1	
5640	H 1181	O. Arg. S. 11046	54 40	−17 41	270±	75±	8 ... 9	1828+	H	
5641	Weisse 26	W^2 X^h. 1070	54 48	21 44	....	15±	8 ... 9	....	....	
5642	H 1182	W^1 X^h. 965	54 55	0 42	130±	22±	8 ...13–14	1828+	H	
5643	H 492	....	55 12	18 50	....	3±	10 ...11	1820+	H	
5644	Σ 1502	DM (15°) 2277	55 42	15 16	284.5	12.44	8.5... 9.3	1828.53	Σ 3	8.5 *yel'sh*
5645	Σ 1501	DM (31°) 2222	55 44	31 28	186.0	1.96	9.0... 9.3	1831.27	Σ 5	
5646	Σ 1503	DM (10°) 2234	55 55	10 33	269.4	11.29	8.5... 9.7	1828.20	Σ 2	
5647	H 172	DM (10°) 2235	55 55	10 23	273±	10±	10 = 10	1820+	H	
5648	H 2553	DM (8°) 2448	55 56	8 5	....	....	....	1830+	H	
5649	H 493	....	56 4	33 32	330±	15±	10 ...11	1820+	H	"Point to 11½ m. star 40″ dist."
5650	H̱ I. 77	L 21178	56 12:	−15 8:	7.6	Cl. I	....	1783.18	H̱ 1	
5651	Ho 47	L 21171	56 18	36 19	286.4	120.05	7 ...	1883.37	Ho 1	A and BC
					140.3	0.62	9.0... 9.0	1884.36	Ho 2	B and C
5652	β 1077	α *Ursae Majoris*	56 19	62 24	326.1	0.91	2.0...11.1	1889.19	β 4	
5653	H 173	W^1 X^h. 991	56 31	− 2 53	175±	30±	7 ...20	1820+	H	
5654	H 2555	....	56 37	39 13	41.4	9±	10–11...11	1830+	H	
5655	H 2554	DM (45°) 1887	56 54	44 58	269.5	....	7–8... 9–10	1830+	H	"Dif. R. A. = 6^s.0"
5656	Howe 25	O. Arg. S. 11086	57 28	−26 52	330.8	2.52	8.0... 9.0	1877.12	Cin 2	
5657	Ho 48	W^2 X^h. 1130	57 31	23 48	6.7	1.66	8.0...11.2	1882.74	Ho 3	
5658	Ho 49	O. Arg. N. 11384	57 36	57 38	357.1	7.20	8.0...11.2	1883.86	Ho 2	
5659	Σ 1504	P X^h. 229	57 48	4 17	275.7	1.07	7.5... 7.6	1829.13	Σ 5	*White*
5660	Ho 377	51 *Ursae Majoris*	57 51	38 53	249.5	8.42	6.0...12.5	1891.31	Ho 2	
5661	Σ 1499	Redhill 1643	57 59	83 45	313.5	7.14	8.5... 9.3	1830.03	Σ 3	*White*
5662	Σ 1505	DM (63°) 940	58 15	63 16	313.8	8.12	8.0... 9.7	1831.96	Σ 2	8.0 *yel'sh*
5663	H 174	W^1 X^h. 1025	58 15	13 19	20±	35±	6 ... 9	1820+	H	In DM 6.5 m.
5664	Ho 378	L 21224	58 18	39 4	219.1	0.40	8.0... 8.2	1891.32	Ho 2	
5665	....	χ *Leonis*	58 30	7 59	303.3	287.66	5.0. . 9.0	1882.33	OΣ 1	
5666	Σ 1506	W^1 X^h. 1033	58 38	− 3 34	211.9	10.37	8.0...10.8	1829.88	Σ 3	8.0 *yel.*
5667	Hu 638	DM (51°) 1648	10 58 53	51 28	328.3	1.96	8.5...10.8	1903.00	Hu 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5668	H 1184	....	10^h 59^m 8^s	46°38′	30° ±	5″ ±	10 ...15	1828+	H	A and B
					110±	15±	...12	1828+	H	A and C
5669	H 1183	DM (76°) 412	59 9	76 35	165.0	16±	8 ...13	1828+	H	
5670	A 69	SD (5°) 3197	59 23	− 5 47	88.8	1.05	8.6... 9.4	1900.34	A 3	(*A. N.* 3668)
5671	Σ 1507	P X^h. 239	59 54	7 41	164.8	8.03	8.2...10.3	1833.28	Σ 3	8.2 *yel'sh*
5672	Σ 1509	SD (12°) 3346	11 0 31	−12 46	15.1	32.95	7.2... 9.0	1828.70	Σ 2	7.2 *yel.*
5673	H 2556	....	0 33:	57 51	....	3±	11 ...12	1830+	H	"R.A. possibly a good deal wrong"
5674	Σ 1508 *rej.*	....	0 43	69 4	239.8	3±	11 = 11	1830+	H	
5675	H 1185	....	0 47	29 10	30±	....	....	1828+	H	
5676	β 599	65 *Leonis*	0 47	2 36	82.4	1.78	5.5...11.5	1878.20	β 4	
5677	H 2557	DM (44°) 2055	0 52	44 8	209.8	18±	9–10..9–10+	1830+	H	
5678	Σ 1511	DM (11°) 2311	0 55	11 34	286.0	7.64	8.5... 8.8	1829.88	Σ 3	*White*
5679	Σ 1510	*Ursae Majoris* 218	1 2	53 28	341.9	3.90	7.1... 8.4	1832.11	Σ 4	*Wh.: ash*
5680	H 2558	W^2 X^h. 1203	1 17	21 48	270.0	12±	7–8...15	1830+	H	
5681	Σ 1512	O. Arg. N. 11450	1 52	63 9	50.6	9.41	8.0... 8.5	1831.96	Σ 2	*White*
5682	H 2559	....	1 53	43 9	268.5	5±	11 = 11	1830+	H	
5683	H 839	W^1 X^h. 1096	2 1	7 14	105±	10±	7–8...10	1820+	H	
5684	H V. 68	DM (3°) 2463	2 17	3 52	....	54.62	....	1783.16	H 1	
5685	H 4410	O. Arg. S. 11162	2 19	−15 19	205.3	15±	7 ...15	1836.4	H	
5686	H IV. 106	DM (64°) 834	2 25	63 58	134.5	18.92	....	1783.34	H 1	
5687	H 176	....	2 54:	11 44:	30±	10–12	10 ...12	1820+	H	
5688	H 2560	DM (56°) 1504	3 11	56 21	126.0	25±	9 ...13	1830+	H	
5689	H 177	SD (2°) 3297	3 21	− 2 46	110±	2±	....	1820+	H	
5690	H 2561	DM (39°) 2426	3 41	39 18	223.0	16±	9 ...12–13	1830+	H	
5691	S 621	Rad^1. 2628	3 57	66 40	25.5	43.43	9 ... 9½	1825.14	S 2	A and B
					296.6	203.20	... 8	1825.18	S 2	A and C
5692	Σ 1514	DM (66°) 706	4 7	66 46	334.9	1.15	8.4...10.0	1832.92	Σ 4	
5693	H 4412	O. Arg. S. 11200	4 11	−28 57	269.0	12±	9½... 9½	1834.3	H	
5694	H 2562	DM (31°) 2238	4 12	31 49	347.2	1½	9–10..12	1830+	H	
5695	OΣ 231 *rej.*	L 21368	4 30	31 6	264.7	36.63	7.7... 8.7	1844.31	OΣ 1	A and B
					341.7	152.98	... 8.0	1881.85	OΣ 2	A and C
5696	Σ 3067	SD (5°) 3223	4 53	− 5 40	234.4	21.16	8.5... 9.2	1830.24	Σ 3	
5697	Σ 3068	SD (8°) 3099	5 21	− 8 42	314.3	19.72	9.2... 9.2	1831.23	Σ 3	
5698	H 3331	....	5 24	61 16	331.0	2±	13 = 13	1831+	H	
5699	OΣ (App) 108	W^2 XI^h. 73	6 2	36 28	71.7	128.37	6.2... 7.0	1876.56	Δ 3	
5700	H 494	DM (40°) 2407	6 26	40 50	325±	20±	9 ... 9+	1820+	H	
5701	H 2563	....	6 30	58 0	43.0	3±	13 ...14	1830+	H	
5702	β 220	*Crateris* 22	6 33	−17 51	143.6	0.58	6.4... 7.0	1875.27	Δ 2	
5703	Ku 36	DM (38°) 2216	6 40	38 50	137.1	8.85	9.8... 9.8	1901.38	Ku 2	Kustner (3821)
5704	Ho 254	DM (34°) 2206	6 49	34 6	164.7	2.31	6.5...12.5	1887.33	Ho 2	
5705	Ho 50	W^2 XI^h. 94	7 2	41 44	31.2	3.10	7.0...10.0	1882.35	Ho 2	
5706	Σ 1516	DM (74°) 456	7 16	74 7	298.7	9.93	7.0... 7.5	1831.55	Σ 2	A and B (AC= OΣ 539)
					294.1	8.19	...10.2	1858.87	OΣ 3	A and C
5707	Σ 1517	P XI^h. 9	7 24	20 47	287.8	1.05	7.3... 7.3	1829.70	Σ 5	*Yel'sh*
5708	Arg. 24	O. Arg. S. 11241	7 36	−15 19	350.9	17.92	9.0... 9.2	1883.56	W 3	
5709	β 1282	δ *Leonis*	7 43	21 11	204.3	0.36	9 ... 9.3	1899.44	A 3	B and C
					344.5	187.32	3 ...	1899.13	β 1	A and BC
5710	β 916	*Crateris* 31	8 4	−14 47	357.7	0.64	7.0... 8.2	1888.45	Lv 3	
5711	β 1283	DM (16°) 2235	8 7	16 10	240.5	0.35	9.2...10.0	1904.27	A 1	
5712	H 178	....	8 17:	− 1 45:	15±	10±	11 ...13	1820+	H	"A 9 m. star *p*"
5713	Σ 1518 *rej.*	DM (6°) 2421	8 18	5 55	....	Cl. I	10 ...10	....	....	
5714	OΣ 232	L 21483	8 28	38 14	238.1	0.72	7.0... 7.8	1849.93	OΣ 5	
5715	Σ 1519	DM (60°) 1316	8 31	60 26	290.8	1.30	8.2... 9.2	1832.76	Σ 3	*Yel'sh*
5716	H 4418	Cord. DM (29°) 8937	8 35	−29 15	259.4	5±	10 = 10	1834.3	H	
5717	A 135	SD (9°) 3243	8 35	− 9 15	156.4	4.19	8.5...12	1901.29	A 2	
5718	H 5483	DM (11°) 2338	11 8 38	10 54	235±	15±	10 ...13	1823+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5719	**Hu 639**	**DM** (48°) 1925	$11^h\ 8^m\ 43^s$	48° 8′	274°.2	0′.32	7.5... 7.5	1902.99	Hu 2	
5720	**Σ 1521**	**DM** (28°) 1979	8 55	28 14	95.2	3.66	7.2... 7.5	1829.32	Σ 3	*Very wh.*
5721	**OΣ (App) 109**	**O. Arg. N.** 11601	9 1	46 31	257.6	78.94	7.4... 8.0	1877.04	Δ 4	
5722	**Σ 1520**	*Ursae Majoris* 234	9 9	53 25	345.3	12.99	6.5... 7.8	1831.71	Σ 3	*Wh.: bluish*
5723	**Hu 461**	**SD** (16°) 3215	9 20	−16 50	64.4	1.60	8.5... 9.5	1902.32	Hu 3	(*Bul. L O* No. 21)
5724	**Sh 372**	**O. Arg. S.** 11263	9 42	−15 42	306±	20±	7 ... 9	....	Sh	
5725	**Σ 1522**	**DM** (2°) 2408	9 57	2 14	183.1	2.28	8.7...11.7	1830.04	Σ 4	
5726	**A 558**	**A. G. Camb.** 5691	10 0	28 5	338.8	2.87	8.7...14.5	1903.33	A 3	(*Bul. L. O.* No. 50)
5727	**H 2564**	....	10 3	42 55	128.7	20±	9 ...10	1830+	H	
5728	**H 2565**	**DM** (8°) 2482	10 16	8 16	8.9	10±	10 ...11	1830+	H	
5729	**Sh 121**	*φ Leonis*	10 34	− 3 0	286.9	106.25	5 ... 8½	1821.23	Sh 1	
5730	**A 5**	**L** 21535	10 43	− 4 30	339.4	0.67	8.6... 9.0	1899.34	A 3	(*A. N.* 3635)
5731	**H 4422**	**Cord. DM** (29°) 8968	10 51	−29 27	351.5	7±	9½...11	1835.2	H	"Double" in Cord.
5732	**β 600**	*Crateris* 36	10 53	− 6 29	226.4	1.25	6.5...12.0	1878.15	β 1	A and B
					97.6	67.06	... 8	1823.31	Sh 1	A and C
5733	**OΣ 233**	**Rad^1.** 2657	11 26	67 20	334.7	4.98	6.9... 9.8	1849.87	OΣ 4	
5734	**Σ 1523**	*ξ Ursae Majoris*	11 48	32 13	238.7	1.75	4.0... 4.9	1826.20	Σ 3	
5735	**Σ 1524**	*ν Ursae Majoris*	12 0	33 45	146.5	7.09	3.7...10.1	1830.69	Σ 5	3.7 *very yel.*
5736	**Wn 3**	**DM** (52°) 1554	12 10	51 58	210.3	6.79	8.2... 9.5	1880.37	β 1	
5737	**Hu 129**	**SD** (12°) 3393	12 15	−12 44	350.2	0.66	9.0...10.8	1900.31	Hu 2	(*A. J.* 485)
5738	**Σ 1526**	**DM** (3°) 2482	12 29	3 29	180.4	30.40	8.8... 9.0	1828.95	Σ 3	
5739	**Σ 1527**	*Leonis* 339	12 43	14 56	10.1	3.88	6.9... 8.1	1829.30	Σ 4	*Very wh.: bluish*
5740	**Σ 1525**	**DM** (48°) 1932	12 47	48 8	177.7	2.31	9.0... 9.0	1832.04	Σ 3	*White*
5741	**H 179**	....	12 51:	12 9:	315±	6±	12 ...13	1820+	H	
5742	**Hu 130**	**SD** (10°) 3239	12 52	−11 7	134.4	1.19	8.2... 8.4	1900.25	Hu 3	(*A. J.* 485)
5743	**H 495**	....	12 54	35 46	140±	20±	11 ...11+	1820+	H	
5744	**Σ 1529**	**L** 21586	13 17	− 0 59	250.9	9.32	7.0... 8.0	1833.26	Σ 3	*Yel'sh wh.: ash*
5745	**A 136**	**L** 21587	13 17	− 6 55	291.7	1.27	8.3...11.0	1901.25	A 3	
5746	**Σ 1528** *rej.*	**L** 21585	13 22	10 36	225±	20±	8.7...11	1823+	H	From H (VII)
5747	**β 791**	**W^1 XI^h.** 197	13 26	7 32	199.9	2.06	8.3...10.3	1881.32	β 3	
5748	**Σ 1530**	**W^1 XI^h.** 203	13 40	− 6 15	314.6	7.65	7.8... 8.2	1830.23	Σ 3	*White*
5749	**H 2566**	**DM** (6°) 2436	14 19	6 10	160.3	10±	9 ...15	1830+	H	(See p. 1073)
5750	**Σ 1531**	**DM** (23°) 2336	14 23	23 32	166.6	23.12	8.5... 9.5	1829.24	Σ 2	8.5 *yel'sh*
5751	**H 496**	**DM** (37°) 2174	15 5	37 26	325±	20±	9 ...10	1820+	H	(See p. 1073)
5752	**H 1186**	....	15 9	77 5	285.3	9±	12 ...15	1828+	H	
5753	**H 2569**	....	15 10	7 0	150.3	4±	11 ...14	1830+	H	
5754	**H 2567**	....	15 13:	70 3	221.6	12±	9 ...10	1830+	H	
5755	**H 2568**	....	15 15	44 17	250.7	10±	10–11..10–11	1830+	H	"Point exactly to a third"
5756	**O. Stone 22**	**O. Arg. S.** 11330	15 27	−19 48	307.1	6.34	8.2...10.5	1877.12	Cin 2	
5757	**Σ 1534**	**DM** (19°) 2443	15 33	18 51	340.6	4.84	8.0...11.2	1830.76	Σ 4	8.0 *yel.*
5758	**Σ 1533**	**W^2 XI^h.** 257	15 36	37 45	172.8	23.14	8.2... 8.4	1829.53	Σ 4	*White*
5759	**Σ 3069** *rej.*	**W^1 XI^h.** 238	15 40	− 1 3	219.4	17.41	8.5... 9.8	1904.31	β 2	
5760	**A. G. 174**	**A. G. Chris.** 1748	15 52	65 23	105.1	2.06	10.0...10.3	1892.40	β 1	
5761	**H 4428**	**Cord. DM** (30°) 9150	16 40	−30 15	280.7	15±	9 ...11	1834+	H	"The *p* of two"
5762	**Σ 1535**	**Mü I.** 6651	16 45	1 35	61.2	10.46	8.7...11.3	1828.97	Σ 3	
5763	**H 4430**	**Cord. DM** (30°) 9154	17 8	−30 14	....	18±	9 ...11	1835.2	H	"The *f* of two"
5764	**H 1188**	....	17 26	77 0	208.8	15±	10 ...11	1828+	H	
5765	**Σ 1536**	*ι Leonis*	17 39	11 12	92.4	2.19	3.9... 7.1	1832.01	Σ 12	*Yel'sh: blue*
5766	**β 26**	**L** 21697	17 42	− 9 46	70.3	2.80	7.2...10.2	1875.50	Δ 4	
5767	**Arg. 25**	**O. Arg. S.** 11357	17 51	−27 51	300±	15±	9 ... 9+	1876	β	
5768	**H.C. Wilson 9**	....	18 :	− 9 50	178.9	11.27	9.7...10.5	1883.28	W 2	
5769	**H 180**	**DM** (14°) 2383	18 3	14 50	20±	25±	9 ...12	1820+	H	
5770	**Σ 1537**	*Leonis* 364	18 10	21 17	356.4	2.48	7.6... 8.6	1831.60	Σ 7	*Wh.: ash*
5771	**H 2570**	**DM** (42°) 2203	18 15	42 8	....	....	....	1830+	H	
5772	**Σ 3070**	**SD** (3°) 3109	18 24	− 3 44	276.3	7.96	8.8... 9.2	1831.36	Σ 3	
5773	**H 840**	*γ Crateris*	11 18 54	−17 1	105±	3±	4 ...13	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5774	Ku 37	DM (49°) 2051	$11^h\ 19^m\ 15^s$	49°48′	325°5	1″96	9.5...10.3	1901.27	Ku 3	Kustner (3821)
5775	H 4433	81 *Leonis*	19 21	17 8	316.7	60±	7 ...10	1836.21	H	
5776	A 137	L 21746	19 26	− 7 12	60.6	0.30	8.5... 9.0	1901.27	A 3	
5777	H 497	DM (27°) 2020	19 28	27 44	60±	25±	9 ...10	1820+	H	
5778	H 1189	DM (4°) 2464	19 49	4 37	120±	15±	10 ...11	1828+	H	
5779	Σ 1540	83 *Leonis*	20 42	3 40	150.0	29.58	6.3... 7.3	1832.71	Σ 3	*White*
5780	Ku 38	DM (19°) 2455	20 57	19 47	234.0	6.15	9.8... 9.9	1901.36	Ku 2	Kustner (3821)
5781	Σ 1541	DM (47°) 1873	21 4	46 57	29.8	7.53	7.8...10.2	1831.40	Σ 3	7.8 *wh.*
5782	A 138	L 21801	21 12	− 8 13	213.3	1.65	7.9... 9.3	1901.27	A 3	
5783	Hu 462	SD (14°) 3326	21 21	−14 11	220.1	0.54	8.0... 8.4	1902.32	Hu 3	(*Bul. L. O.* No. 21)
5784	Innes 76	Cord. DM (30°) 9211	21 24	−30 5	50.5	7.06	10.0...10.5	1902.33	I	
5785	Σ 1542	DM (45°) 1927	21 25	45 14	265.0	2.54	7.0...10.5	1831.75	Σ 3	7.0 *wh.*
5786	H 498	....	21 31	34 43	70±	12±	10 ...10+	1820+	H	
5787	Σ 1539	*Camelopardali* 201	21 35	81 42	313.1	18.99	8.0... 9.2	1832.80	Σ 2	*Yel'sh wh.: wh.*
5788	H 4437	Lac. 4750	21 41	−23 3	324.6	12±	9 ...10	1835.2	H	
5789	H 499	DM (37°) 2181	21 44	36 58	248±	27±	8 ...11	1820+	H	
5790	Σ 19, App. I	τ *Leonis*	21 46	3 31	169.6	94.76	5.0... 7.0	1834.94	Σ 5	*Yel.: wh.*
5791	Σ 3071 *rej.*	W^1 XI^h. 353	21 52	− 1 16	....	Cl. IV	8–9...11	....	....	
5792	H 4439	....	22 17	−30 35	101.5	15±	8 ... 9	1834.4	H	
5793	Σ 1543	57 *Ursae Majoris*	22 37	40 0	10.7	5.37	5.2... 8.2	1831.91	Σ 6	*Wh.: ash*
5794	Lewis 11	L 21846	22 56	31 6	7.1	0.89	7.0...11.0	1900.49	L 6	
5795	A 70	SD (3°) 3128	23 7	− 3 47	354.5	4.93	7.3...14	1900.16	A 3	(*A. N.* 3668)
5796	β 601	SD (16°) 3259	23 15	−16 41	226.9	0.81	8.0... 9.0	1878.32	β 1	B and C
					328.7	26.25	... 9	1783.34	H 1	A and BC
5797	A 6	SD (2°) 3357	23 15	− 3 3	53.9	2.18	8.8...12.7	1899.45	A 2	
5798	H 4572	DM (12°) 2340	23 19	12 18	190.4	25±	9–10...10	1834+	H	
5799	A 7	SD (5°) 3300	23 35	− 5 39	261.4	0.50	8.9... 9.0	1899.44	A 3	
5800	Jacob 6	*Hydrae* 271	23 41	−23 47	76.8	8.06	5½... 7½	1847.3	J	
5801	OΣ (App) 111	W^2 XI^h. 413	23 44	30 38	33.0	66.41	7.0... 9.0	1875.59	Δ 2	
5802	H 2573	SD (4°) 3082	23 46	− 4 18	16.3	5±	10 ...11	1830+	H	
5803	β 340	W^1 XI^h. 390	23 49	3 52	7.2	3.87	8.0...10.2	1876.33	Δ 3	
5804	Sh 126	....	24 17:	42 1:	90.3	13.04	7 ... 8	1823.31	Sh 2	
5805	OΣ 234	L 21874	24 20	41 57	177.5	0.43	7.0... 7.4	1844.66	OΣ 3	
5806	Σ 1544	O. Arg. N. 11820	24 32	60 22	89.5	12.46	7.0... 8.0	1831.85	Σ 3	*White*
5807	Σ 3072	P XI^h. 91	24 44	− 6 3	331.8	9.38	7.4...10.4	1831.65	Σ 5	7.4 *yel'sh*
5808	A 559	A. G. Camb. 5788	24 52	28 12	153.7	1.98	8.0...12.2	1903.35	A 3	(*Bul. L. O.* No. 50)
5809	H 500	DM (36°) 2196	25 25	36 32	33±	15±	9 = 9	1820+	H	
5810	Ho 51	*Schj.* 4166	25 29	8 32	173.6	2.71	7 ...12	1882.26	Ho 2	
5811	OΣ 235	B. A. C. 3918	25 32	61 45	293.0	0.60	6.0... 7.3	1844.90	OΣ 2	
5812	Σ 1547	88 *Leonis*	25 34	15 2	319.9	15.30	6.4... 8.4	1829.02	Σ 4	*Yel'sh: blue*
5813	Σ 1546	DM (56°) 1523	25 45	56 45	343.2	11.54	7.7...10.0	1832.00	Σ 3	7.7 *white*
5814	H 2574	DM (53°) 1495	25 55	53 41	73.3	35±	9–10...10	1830+	H	
5815	Σ 1548	SD (2°) 3364	25 59	− 2 52	127.3	10.35	7.7... 8.7	1827.75	Σ 2	
5816	H 3332	....	26 4	67 44	85±	3±	11 ...13	1831+	H	
5817	Kr 38	A. G. Hels. 6801	26 5	60 44	54.3	2.60	9.0... 9.2	1891.29	β 1	
5818	H 5484	....	26 9	8 7	60±	5±	12 = 12	1823+	H	
5819	Σ 1549	DM (25°) 2389	26 18	24 59	115.8	14.03	8.5... 9.5	1828.75	Σ 2	
5820	H III. 96	17 *Crateris*	26 19	−28 36	205.5	9.77	....	1783.02	H 1	
5821	Kr 39	A. G. Hels. 6807	26 36	58 28	156.2	10.74	9.0... 9.3	1891.29	β 1	
5822	Hu 727	DM (50°) 1835	26 40	50 7	18.3	1.05	8.8... 9.2	1903.03	Hu 1	
5823	Hd 130	L 21940	26 58	−22 47	78.9	8.92	7.0...10	1868.25	Hd 1	
5824	H 2575	....	27 2	29 52	210.4	9±	13 = 13	1830+	H	
5825	H 502	DM (37°) 2194	27 13	37 42	220±	5±	10 ...14	1820+	H	H (V)
5826	A 139	L 21948	27 20	− 8 28	152.1	1.36	8.6... 9.8	1901.30	A 3	
5827	H 2576	....	27 21	23 4	167.2	4±	11 ...12	1830+	H	(See p. 1073)
5828	Σ 1550 *rej.*	DM (64°) 855	11 27 51	64 18	....	Cl. IV	8–9...10–11	....	Σ	From *Cat. Nov.*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5829	**H 2577**	**DM (28°) 2016**	11h 28m 10s	28°26′	185°.7	8″ ±	9 ...16	1830+	H	
5830	**Σ 1551**	**O. Arg. N. 11873**	28 14	71 28	108.7	6.37	8.5...10.2	1832.51	Σ 4	8.5 *yel'sh*
5831	**H 2578**	....	28 17	28 25	....	18±	10 ...15	1830+	H	
5832	**A 71**	**SD (4°) 3089**	28 25	− 4 44	230.6	1.86	8.5...13.8	1900.18	A 2	(*A. N.* 3668)
5833	**Σ 1552**	90 *Leonis*	28 28	17 28	209.4	3.01	6.0... 7.3	1829.94	Σ 5	A and B } *Wh.: bluish wh.*
					234.2	53.72	... 8.9	1783.29	H 1	A and C
5834	**A 72**	**SD (4°) 3098**	28 34	− 4 56	196.4	2.18	9.0...12.0	1900.18	A 3	(*A. N.* 3668)
5835	**A. G. 175**	**A. G. Alb. 4308**	28 36	2 10	186.8	1.98	8.6... 8.9	1903.18	β 3	
5836	**H 182**	....	29 2:	12 8:	255±	10±	13 ...14	1820+	H	
5837	**OΣ 236**	**Radᶜ. 2713**	29 22	67 0	209.2	2.33	7.5...11.0	1847.00	OΣ 3	
5838	**Hu 463**	**SD (14°) 3353**	29 26	−14 30	35.8	1.44	8.9... 9.4	1902.32	Hu 3	(*Bul. L. O.* No. 21)
5839	**A 73**	**SD (4°) 3103**	29 50	− 4 24	319.3	0.62	9.0... 9.7	1900.18	A 3	(*A. N.* 3668)
5840	**Σ 1554**	**DM (13°) 2433**	29 55	13 31	75.4	1.01	8.8 = 8.8	1829.29	Σ 3	
5841	**Σ 1555**	**P XIh. 111**	29 59	28 27	339.3	1.24	6.4... 6.8	1829.12	Σ 5	A and B } AB *wh.*
					141.8	18±	...(12)	1820+	H	AB and C
5842	**Σ 1553**	**O. Arg. N. 11900**	30 3	56 48	171.5	5.34	7.3... 7.8	1832.58	Σ 5	*White*
5843	**Σ 1556**	**DM (12°) 2350**	30 4	12 49	230.7	8.86	9.5... 9.5	1829.25	Σ 2	
5844	**H 2579**	**DM (30°) 2177**	30 22	30 3	349.6	12±	10 ...10–11	1830+	H	"Neat"
5845	**Hu 131**	**SD (13°) 3409**	30 26	−13 15	158.1	3.22	9.0...10.2	1900.30	Hu 3	(*A. J.* 485)
5846	**Σ 1558**	**DM (22°) 2381**	30 26	22 8	158.3	1.36	8.7... 9.2	1828.79	Σ 4	A and B }
					276.4	43.66	... 8.8	1829.29	Σ 3	AB and C
5847	**H 1191**	....	30 28	4 16	272±	8±	11 ...12	1828+	H	
5848	**β 456**	**L 22020**	30 44	−11 41	68.2	0.65	10 ...10	1877.35	Hl 2	
5849	**H 4456**	**O. Arg. S. 11513**	30 47	−23 46	122.9	20±	8 ...12	1836.2	H	
5850	**Ku 39**	**DM (48°) 1958**	30 48	48 8	21.7	2.47	9.5... 9.8	1901.90	Ku 2	Kustner (3821)
5851	**Hu 728**	**DM (50°) 1845**	31 22	50 28	108.2	0.36	7.5... 8.5	1900.03	Hu 1	
5852	**H 1192**	**O. Arg. S. 11520**	31 32	−16 16	357±	14±	10 ...11	1828+	H	
5853	**H 183**	**W¹ XIh. 529**	31 48	13 37	20±	60±	....	1820+	H	
5854	**Σ 1559**	*Ursae Majoris* 284	32 5	65 1	321.7	2.09	6.7... 7.7	1836.55	Σ 3	*White*
5855	**Σ 1560**	**B. A. C. 3955**	32 15	− 1 46	280.6	5.09	6.0...10.2	1831.58	Σ 3	6.0 *very yel.*
5856	**H 505**	....	32 25	30 28	310±	4±	11 = 11	1820+	H	H (V), 12...12
5857	**H 506**	**DM (39°) 2460**	32 27	39 50	135±	15±	7 ...15	1820+	H	
5858	**Σ 1561**	*Ursae Majoris* 290	32 29	45 46	266.0	10.46	5.9... 8.0	1831.68	Σ 4	*Yel'sh wh.: ash*
5859	**OΣ 237**	**L 22071**	32 34	41 49	287.0	0.74	7.4... 9.0	1845.82	OΣ 4	
5860	**Σ 1562** *rej.*	**DM (49°) 2074**	32 45	49 50	....	Cl. III	8–9...12	....	Σ	From *Cat. Nov.*
5861	**H 184**	....	32 50:	10 41:	180±	25±	11 ...12	1820+	H	
5862	**Σ 1563** *rej.*	**DM (52°) 1578**	32 54	52 51	158.2	14±	9 ...11–12	1830+	H	
5863	**H 2580**	....	33 10	6 51	171.0	20±	9–10...11–12	1830+	H	
5864	**A 678**	**A. G. Camb. 5829**	33 16	25 58	155.5	1.25	7.6...11.3	1904.30	A 3	(*Bul. L. O.* No. 61)
5865	**Weisse 27**	**W² XIh. 621**	33 17	21 59	....	....	7–8...	....	....	
5866	**Σ 1564**	**DM (27°) 2044**	33 21	27 37	86.4	5.07	8.2... 9.0	1828.95	Σ 3	8.0 *yel'sh*
5867	**Σ 1565**	**DM (19°) 2483**	33 23	19 40	304.1	21.51	7.0... 8.0	1829.26	Σ 4	*Wh.: bluish wh.*
5868	**A 560**	**A. G. Camb. 5832**	33 32	28 51	355.4	4.46	8.8...13.5	1903.37	A 3	(*Bul. L. O.* No. 50)
5869	**H 185**	....	33 38:	10 25:	35±	25±	11 ...12	1820+	H	
5870	**β 1078**	*Crateris* 79	33 47	−13 48	49.8	8.22	6.3...12.2	1889.30	β 3	
5871	**H 186**	....	34 6:	− 2 40:	295±	5±	11 ...12	1820+	H	
5872	**H 3333**	**DM (66°) 729**	34 15	66 37	164.3	15±	9–10...10	1831+	H	
5873	**H 507**	....	34 20	30 42	35±	15±	9 ...17	1820+	H	
5874	**Σ 1566**	**DM (21°) 2342**	34 24	21 42	349.3	2.71	8.3... 9.8	1829.94	Σ 3	8.3 *yel.*
5875	**H 1193**	....	34 31	5 34	100±	13±	9 ...11	1828+	H	
5876	**Hu 464**	**SD (17°) 3441**	34 36	−17 41	59.1	0.84	9.0...11.0	1902.34	Hu 2	(*Bul. L. O.* No. 21)
5877	**A 74**	**DM (71°) 583**	34 39	71 37	317.5	1.24	9.1... 9.5	1900.12	A 3	(*A. N.* 3668)
5878	**Σ 3073**	**W¹ XIh. 579**	34 43	− 8 11	45.7	10.73	8.2...12.0	1831.76	Σ 2	
5879	**H 187**	....	34 57	10 31	45±	5±	11 ...13	1820+	H	
5880	**H 2581**	....	35 23	23 3	90±	2±	11 ...12	1830+	H	
5881	**β 792**	*Schj.* 4219	11 35 32	3 32	204.5	1.92	8.3...11.0	1881.34	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5882	**H 508**	W^2 XI^h. 676	11^h 35^m 53^s	40°20′	125°±	8″±	8 ... 9	1820+	H	
5883	**H 1194**	....	36 12	0 42	175±	12±	10 ...10+	1828+	H	
5884	**Σ 1567**	DM (65°) 847	36 20	65 1	77.6	3.43	8.5...10.0	1832.16	Σ 3	
5885	**Σ 1568**	DM (1°) 2604	37 8	1 26	221.3	9.03	8.9... 9.1	1830.82	Σ 4	
5886	**H 2582**	....	37 18	73 51	236.8	8±	11–12=11–12	1830+	H	
5887	**Espin 123**	DM (44°) 2120	37 24	44 51	203.8	7.4	9.1... 9.3	1902	Es 1	A and B (*M. N.* LXIII, 172)
					275.5	42.9	... 9.2	1902	Es 1	A and C
5888	**β 917**	L 22179	37 25	11 22	175.2	3.70	8.0...10.4	1880.31	β 4	
5889	**β 793**	DM (7°) 2474	37 26	7 14	114.2	1.33	9.6...10.3	1881.32	β 3	
5890	**H 509**	....	37 31	25 3	305±	6±	10 ...10+	1820+	H	
5891	**Hu 465**	SD (17°) 3453	37 31	−17 26	112.7	0.44	8.6...11.8	1902.34	Hu 2	(*Bul. L. O.* No. 21)
5892	**H 2583**	W^1 XI^h. 633	37 32	14 11	234.2	25±	9 ... 9+	1830+	H	
5893	**A 679**	A. G. Berlin B 4345	37 32	24 41	93.4	4.95	7.0...15.0	1904.27	A 2	(*Bul. L. O.* No. 61)
5894	**Σ 1569**	DM (39°) 2465	37 58	39 40	324.3	3.57	8.3...10.2	1831.00	Σ 3	8.3 *white*
5895	**OΣ 239** *rej.*	P XI^h. 149	37 58	25 53	20.0	38.07	5.5... 9.8	1867.25	Δ 3	5.5 *yel.*
5896	**H 3334**	O. Arg. N. 12027	38 15	60 43	159.8	25±	8 ...11	1831+	H	
5897	**H 4469**	DM (15°) 2372	38 18	15 16	166.1	30±	9 ... 9	1836.2	H	
5898	**A 140**	L 22202	38 22	− 7 25	138.9	2.20	8.3...10.5	1901.29	A 3	
5899	**Hu 232**	SD (13°) 3433	38 23	−13 27	109.8	0.87	8.5... 8.8	1900.38	Hu 1	(*A. J.* 494)
5900	**H 1195**	....	38 35	13 10	327.0	5±	11 = 11	1828+	H	
5901	**Σ 1570**	O. Arg. N. 12044	39 11	46 16	48.8	10.68	8.3... 8.8	1831.41	Σ 3	*White*
5902	**Cordoba**	Cord. DM (25°) 8842	39 17	−25 34	276.2	4.80	8.6... 9.1	1904.11	β 1	
5903	**H 1196**	DM (4°) 2523	39 25	4 34	155±	20±	8–9...10	1828+	H	
5904	**H 4470**	Cord. DM (29°) 9318	39 30	−29 49	318.2	6±	9 ...10	1834.3	H	
5905	**H 2585**	DM (44°) 2124	39 51	44 37	73.4	25±	9–10..11	1825+	H	
5906	**Σ 1571**	DM (9°) 2547	40 11	9 45	296.7	9.38	8.7...10.7	1829.32	Σ 3	8.7 *wh.*
5907	**A 8**	SD (4°) 3137	40 14	− 4 41	153.1	1.88	8.2...13	1899.41	A 3	A and B (*A. N.* 3635)
					11.5	19.11	...13.2	1899.41	A 2	A and C
5908	**Kr 40**	A. G. Hels. 6900	40 17	60 30	273.3	2.88	9.2... 9.5	1891.29	β 1	
5909	**H 188**	....	40 18:	− 0 33:	135±	6±	15 ...16	1820+	H	"Very minute"
5910	**H 4472**	....	40 20	−28 32	39.5	12±	9½...12	1834.3	H	
5911	**Σ 1572**	DM (54°) 1464	40 38	53 57	288.2	10.47	8.5...10.0	1831.81	Σ 2	8.5 *wh.*
5912	**β 602**	L 22262	40 39	15 40	73.4	0.57	8.5...11.0	1878.15	β 1	
5913	**A 9**	....	41 2	− 4 34	50.9	4.47	11.0...11.5	1899.36	A 2	(*A. N.* 3635)
5914	**H 1197**	....	41 4	3 6	135±	4±	11 = 11	1828+	H	
5915	**Sh 130**	W^2 XI^h. 785	41 16	20 42	25.0	76.86	8 ...10	1823.27	Sh 1	
5916	**See 135**	Lac. 4890	41 16	−29 33	185±	0.2±	7 ... 7	1897.41	See 1	
5917	**Hu 729**	DM (50°) 1862	41 29	50 29	360.8	1.47	7.0...11.5	1902.96	Hu 1	
5918	**H 1198**	DM (46°) 1746	41 33	46 21	97±	8±	10 ...12	1828+	H	
5919	**Sh 131**	4 *Virginis*	41 45	8 55	273.4	....	....	1823.19	Sh 1	A and B
					323.3	....	....	1823.19	Sh 1	A and C
5920	**H 2586**	DM (72°) 546	41 45	71 54	261.9	20±	9–10...10	1830+	H	
5921	**Σ 7, App. II**	93 *Leonis*	41 48	20 53	355.5	74.29	4.7... 8.4	1836.33	Σ 5	*Yel.: wh.*
5922	**Σ 3074**	SD (7°) 3288	41 52	− 7 57	302.6	10.54	8.8... 9.0	1831.23	Σ 3	*White*
5923	**H 189**	....	42 6:	− 2 26:	125±	20±	11 = 11	1820+	H	
5924	**Ḥ VI. 115**	L 22302	42 18	− 9 38	77.8	....	....	1783.02	Ḥ 1	
5925	**H 1199**	DM (1°) 2615	42 22	1 26	55±	18±	10 ...10	1828+	H	
5926	**β 603**	B. A. C. 3992	42 28	14 57	336.7	1.32	6.8...11.0	1879.25	β 4	
5927	**Σ 1573**	O. Arg. N. 12087	42 38	68 0	177.9	11.12	6.6... 7.6	1832.71	Σ 4	*White*
5928	**Ku 40**	DM (34°) 2259	42 39	34 22	184.6	3.09	9.4...10.0	1901.87	Ku 2	Kustner (3821)
5929	**β 604**	β *Leonis*	42 56	15 15	344.2	77.14	2 ...13	1878.28	β 1	
5930	**H 190**	W^1 XI^h. 736	43 44	− 4 11	270±	18±	9 ...13	1820+	H	*Yellow: blue*
5931	**H 2587**	....	43 48	71 31	314.7	18±	9–10...10	1830+	H	
5932	**H 510**	....	44 6	38 22	280±	18±	9 ... 9	1820+	H	
5933	**H 1200**	DM (79°) 375	44 15	79 35	90±	9±	10 = 10	1828+	H	
5934	**H 4477**	SD (20°) 3517	11 44 20	−20 10	108.3	15±	8 ... 9	1835.2	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5935	H 1201	B. A. C. 4005	$11^h\ 44^m\ 48^s$	12°54′	189°0	12″ ±	6–7...13	1828+	H	
5936	Σ 1574	DM (44°) 2136	44 58	44 45	5.4	9.29	8.5...11.2	1831.38	Σ 2	
5937	H 1202	....	45 1	4 47	240 ±	3 ±	11 ...12	1828+	H	
5938	Hu 730	DM (51°) 1705	45 7	51 12	45.5	0.21	9.5... 9.5	1902.96	Hu 1	
5939	H 191	....	45 8:	12 39:	260 ±	....	10 ...12	1820+	H	
5940	H 2588	O. Arg. N. 12112	45 22	72 38	21.3	25 ±	9 ...13	1830+	H	
5941	H 842	DM (45°) 1968	45 37	45 29	95 ±	1½–2	10 ...10¼	1820+	H	
5942	Hu 731	DM (48°) 1978	45 43	48 45	118.8	0.34	8.8... 9.0	1902.96	Hu 1	
5943	H 3335	....	45 48	14 42	72.5	5 ±	10–11..10–11	1831+	H	
5944	Σ 1575	L 22376	45 48	9 30	209.8	30.60	7.0... 8.0	1832.58	Σ 3	*Yel'sh: wh.*
5945	H 843	SD (7°) 3305	45 51	− 7 44	265 ±	3–4	10–11...11	1820+	H	
5946	H 511	W^2 XI^h. 856	45 52	19 31	250 ±	30 ±	7–8...9–10	1820+	H	8–9 in W^2
5947	H 192	....	46 0:	− 2 19:	60 ±	15 ±	11 ...14	1820+	H	
5948	Σ 3075	W^1 XI^h. 775	46 15	8 13	185.3	17.69	8.8... 8.8	1831.24	Σ 3	
5949	Sh 132	P XI^h. 170	46 35	16 6	11.1	37.11	7 ...10	1823.27	Sh 1	
5950	Σ 1576	W^2 XI^h. 884	46 40	31 30	242.7	5.21	8.2... 8.5	1829.93	Σ 3	*Very wh.*
5951	β 794	O. Arg. N. 12149	47 2	74 26	106.6	0.42	6.5... 7.8	1881.34	β 5	A and B
					71.8	5.71	...13.7	1890.37	β 2	AB and C
					78.6	26.73	...13.0	1890.37	β 2	AB and D
5952	Σ 1577	DM (21°) 2371	47 9	20 59	11.0	8.22	9.0...10.2	1828.29	Σ 2	
5953	H 4479	O. Arg. S. 11733	47 16	−23 55	90.8	5 ±	9 ...10	1836.2	H	
5954	Σ 1578	DM (4°) 2536	47 16	4 20	170.5	3.01	9.2...10.9	1831.70	Σ 5	
5955	OΣ 240	L 22409	47 23	43 35	317.8	8.62	7.5...10.3	1847.02	OΣ 3	
5956	H 1203	....	47 34	4 12	315 ±	3 ±	10 ...11	1828+	H	Probably DM (4°) 2537
5957	A 75	DM (72°) 550	47 38	72 36	208.0	0.28	7.2... 8.0	1900.29	A 2	
5958	Hn 113	SD (13°) 3466	47 45	−13 43	267.2	2.77	9.3... 9.6	1888.90	Com 3	
5959	H 512	W^2 XI^h. 912	47 59	25 21	175 ±	4–5	8 ...	1820+	H	A and B
					320 ±	25 ±	....	1820+	H	A and C
5960	OΣ (App) 112	W^2 XI^h. 920	48 27	20 5	35.4	73.12	7.8... 8.1	1875.62	Δ 2	
5961	H 2590	DM (73°) 536	48 41	73 50	330.5	8 ±	10 ...12	1830+	H	
5962	Σ 1579	65 *Ursae Majoris*	48 51	47 9	36.4	3.71	6.0... 8.3	1832.43	Σ 5	A and B AB *very wh.: blue*
					113.8	62.93	... 6.5	1833.45	Σ 5	A and C
5963	H 193	....	49 13:	11 41:	20 ±	8 ±	11 ...13	1820+	H	
5964	H 2591	L 22459	49 19	6 29	173.4	28 ±	8–9...16	1830+	H	
5965	Σ 1580	DM (4°) 2546	49 21	4 13	261.0	8.77	8.0... 9.0	1828.31	Σ 2	*White*
5966	Ku 41	DM (17°) 2413	49 23	17 34	66.9	5.02	9.9...10.1	1901.83	Ku 2	Kustner (3821)
5967	♅ VI. 13	95 *Leonis*	49 30	16 19	*nf*	90 ±	....	1782.45	♅ 1	
5968	Σ 1582	W^2 XI^h. 941	49 51	22 39	76.6	12.01	7.7... 9.2	1827.75	Σ 2	7.7 *white*
5969	Σ 1581	DM (46°) 1759	49 53	46 13	170.6	2.23	8.3... 9.5	1832.72	Σ 3	*White*
5970	OΣ 241	L 22485	50 6	36 7	119.1	1.36	6.5... 8.4	1849.32	OΣ 5	*Yel.: ash*
5971	Σ 1585	DM (41°) 2250	50 29	41 42	104.6	5.53	8.0...11.0	1832.43	Σ 3	8.0 *yel'sh wh.*
5972	Σ 1584	W^1 XI^h. 839	50 30	− 3 56	186.9	12.79	8.7...10.7	1831.97	Σ 3	
5973	Σ 3076	SD (4°) 3168	50 30	− 4 33	51.3	5.37	9.3... 9.8	1831.60	Σ 3	
5974	β 918	L 22496	50 36	32 52	231.3	7.45	6.8...13.0	1880.37	β 2	
5975	Σ 1586	DM (41°) 2251	50 42	41 1	247.4	1.81	8.3...11.0	1832.83	Σ 3	8.3 *wh.*
5976	Hu 732	DM (49°) 2097	50 52	49 48	....	1 ±	9.4...	1902.	Hu	
5977	H 4481	L 22513	51 12	−21 52	198.3	3 ±	8 = 8	1836.2	H	
5978	A 561	DM (28°) 2063	51 41	28 4	8.2	1.90	9.0...11.7	1903.37	A 3	(*Bul. L. O.* No. 50)
5979	Ho 379	Cord. G. C. 16333	51 49	−23 50	246.8	14.96	8.1...12	1891.37	Ho 3	
5980	Hu 733	DM (48°) 1988	51 50	48 43	....	1.5 ±	8.8...	1902.	Hu	
5981	H 1204	....	52 5	4 14	125 ±	15 ±	9–10 = 9–10	1828+	H	"A star 6 m. *s*"
5982	Σ 3077 *rej.*	DM (9°) 2568	52 59	9 49	55 ±	3½ ±	10 ...11	1823+	H	
5983	β 919	W^2 XI^h 1013	53 7	33 50	16.2	4.22	6.3...12.3	1880.37	β 3	
5984	H 195	....	53 18:	− 2 44:	70 ±	10 ±	14 ...	1820+	H	
5985	Ho 534	W^2 XI^h. 1017	53 18	21 32	137.2	9.76	8.4...11.4	1897.40	Ho 4	
5986	Σ 1583 = OΣ 238	Redhill 1778	11 53 22	87 40	282.8	11.07	7.5... 8.5	1833.18	Σ 3	*Very wh.: bluish*

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
5987	H 196	....	11^h 53^m 30:^{s}	− 0°50:′	275° ±	15″ ±	11 ...11+	1820+	H	
5988	OΣ 243	Rad^1. 2777	53 38	54 4	10.9	0.72	7.8... 8.8	1846.04	OΣ 3	(See p. 1074)
5989	Σ 1587 *rej.*	DM (52°) 1600	53 41	52 16	....	Cl. III	8–9...10	....	Σ	From *Cat. Nov.*
5990	β 795	Rad^1. 2778	53 51	71 20	327.0	13.82	7.7...13	1881.30	β 3	A and B
					116.2	5.78	...12.5	1881.30	β 3	C and D AC = OΣ 242
					149.6	33.72	7.1... 7.3	1868.11	Δ 3	A and C
5991	Hu 734	SD (12°) 3543	53 57	−12 32	191.0	3.72	9.3...10.0	1900.38	Hu 1	
5992	H 513	W^2 XI^h. 1033	53 58	26 43	255±	15±	8 ... 9	1820+	H	
5993	OΣ (App) 114	W^2 XI^h. 1035	54 0	37 24	81.0	86.79	7.5... 8.0	1875.70	Δ 2	
5994	H 2592	....	54 18	59 21	11.3	2±	11 = 11	1830+	H	
5995	H 4489	Cord. DM (23°) 10320	54 20	−23 48	147.8	8±	9 = 9	1834+	H	
5996	Σ 1589	DM (44°) 2146	54 26	44 17	155.8	2.27	9.0... 9.5	1832.76	Σ 3	
5997	H 2593	....	54 29	40 34	326.1	15±	10 ...13	1830+	H	
5998	β 1079	L 22586	54 34	−21 7	147.9	11.69	6.2...13.3	1889.30	β 3	
5999	A 141	L 22589	54 40	− 9 17	9.3	4.70	8.5...13.8	1901.28	A 2	
6000	Hu 132	SD (11°) 3161	54 41	−11 29	61.8	1.44	8.0... 9.0	1900.25	Hu 3	(*A. J.* 485)
6001	H 197	....	54 43:	12 16	285±	15±	12 = 12	1820+	H	"Two stars, *sf* and *nf*"
6002	β 457	O. Arg. S. 11836	55 15	−20 52	84.2	0.89	8 ... 9	1877.37	Hl 2	
6003	Σ 1591	W^1 XI^h. 928	55 19	0 17	353.8	53.77	8.0... 8.0	1831.23	Σ 2	*Yel'sh: wh.*
6004	Σ 1590	DM (71°) 599	55 28	71 31	235.9	5.07	7.0...10.0	1832.15	Σ 3	7.0 *yel.*
6005	OΣ (App) 116	DM (0°) 2880	55 48	0 46	181.9	74.95	7.5... 8.0	1875.89	Δ 3	
6006	Σ 1588	DM (73°) 543	56 6	73 2	60.7	16.49	8.5... 8.7	1831.59	Σ 2	*White*
6007	Ho 535	DM (22°) 2434	56 21	22 26	146.4	2.01	8 ...12	1897.40	Ho 3	(*A. N.* 3557)
6008	H 1205	....	56 32	5 4	40±	10±	10 ...11	1828+	H	
6009	H 1206	....	56 34	5 1	40±	10±	11 ...12	1828+	H	"In field with the last"
6010	H 514	....	56 40	29 21	87±	12–15	10 ...11	1820+	H	
6011	H 515	DM (27°) 2087	56 48	27 40	....	20±	9–10...13	1820+	H	8.8m. in DM.
6012	β 1323	DM (42°) 2267	57 21	42 4	318.2	1.57	...13.3	1903.21	β 3	A and B
					165.0	16.95	8.7...10.5	1831.93	Σ 2	A and C AC = Σ 1594
					76.0	25.02	...13	1903.20	β 3	A and D
6013	Σ 1593	W^1 XI^h. 959	57 23	− 1 47	18.2	1.43	8.3... 8.3	1829.26	Σ 3	
6014	H 2594	....	57 35	6 34	5.4	10±	10 ...12	1830+	H	
6015	A 681	A. G. Camb. 5971	57 36	25 46	131.4	0.39	8.9... 9.3	1904.27	A 1	
6016	A 682	A. G. Berlin B 4431	58 4	24 47	333.3	0.39	7.5... 9.0	1904.27	A 1	
6017	β 458	L 22677	58 8	−20 22	232.5	30.35	8.0...10.5	1879.34	β 1	
6018	Σ 1596	2 *Comae*	58 8	22 8	240.6	3.73	6.0... 7.5	1829.54	Σ 4	*White: blue*
6019	Σ 1595	DM (8°) 2566	58 10	8 4	329.5	27.46	8.5... 9.2	1830.58	Σ 3	*White*
6020	Σ 1597 *rej.*	DM (9°) 2579	58 45	9 50	142.8	30.60	8.9...10	1893.27	Lp	
6021	Σ 1598 *rej.*	L 22694	58 57	4 3	....	Cl. IV	8–9...11	....	....	
6022	H 1208	....	59 1	− 8 27	280±	5±	12 ...12	1828+	H	
6023	H 2595	W^2 XI^h. 1147	59 16	39 20	315±	15±	8 ...18	1830+	H	
6024	H 198	W^1 XI^h. 994	59 26	− 5 11	270±	80±	8 ...10	1820+	H	
6025	Σ 1600	DM (52°) 1608	59 27	52 36	93.2	7.63	7.0... 8.0	1832.35	Σ 4	*White*
6026	OΣ 244	Rad^1. 2798	59 29	53 33	319.0	3.31	7.2... 9.2	1850.13	OΣ 4	
6027	Σ 1599	O. Arg. N. 12316	59 30	69 27	167.2	10.21	7.0...10.0	1831.55	Σ 3	7.0 *yel.*
6028	Σ 3123	O. Arg. N. 12330	12 0 0	69 22	289.7	0.3±	7.0... 7.0	1832.20	Σ 4	A and B
					312.0	2.88	....	1895.10	Bar 3	AB and C
6029	H 4496	SD (18°) 3321	0 0	−18 14	30.0	10±	8 ... 9	1835.2	H	
6030	Σ 1601	DM (39°) 2493	0 2	39 30	319.3	2.45	8.5... 9.7	1832.07	Σ 4	
6031	A 76	DM (71°) 603	0 11	71 3	343.7	1.36	10.5...10.7	1900.26	A 3	B and C (*A. N.* 3668)
					42.6	21.37	9.5...	1900.20	A 1	A and BC
6032	H 1209	SD (16°) 3390	0 28	−16 21	260±	9±	10–11..11	1828+	H	"Neat star"
6033	H 1210	W^1 XI^h. 1010	0 45	6 29	100±	7±	9 ...11–12	1828+	H	
6034	Ho 255	W^2 XI^h. 1174	0 48	21 10	133.4	2.45	8.2...12.3	1887.29	Ho 2	
6035	Σ 1602	O. Arg. N. 12348	1 7	69 45	179.8	13.00	7.5... 9.0	1831.56	Σ 2	7.5 *white*
6036	H 2596	W^2 XI^h. 1187	12 1 15	43 46	225±	23±	8 ...11	1830+	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6037	**H 199**	W^1 XI^h. 1020	12^h 1^m 28^s	13°19′	70° ±	10″ ±	9 ...14–15	1820+	H	
6038	**H 2597**	....	1 46	7 28	162.4	18±	10 ...12	1830+	H	
6039	**A. Clark 6**	....	2 :	−19 42:	....	....	6 ...	....	....	
6040	**Σ 1603**	DM (56°) 1568	2 8	56 8	80.6	22.42	6.9... 7.3	1832.18	Σ 5	*White*
6041	**β 412**	L 22772	2 10	−17 55	163.0	2.16	8.0... 8.5	1877.86	Δ 2	
6042	**H 2598**	DM (61°) 1281	2 14	61 9	28.8	30±	9–10...12	1830+	H	
6043	**Ku 42**	DM (14°) 2476	2 18	14 44	254.2	8.84	9.7... 9.9	1901.32	Ku 2	Kustner (3821)
6044	**H 1211**	....	2 42	− 2 36	160±	7±	10 ...13	1828+	H	
6045	**Σ 3078**	L 22794	3 10	11 58	305.9	9.41	8.2...11.0	1830.30	Σ 4	
6046	**Σ 1604**	*Virginis* 59	3 15	−11 11	93.3	11.98	6.5... 9.0	1831.95	Σ 3	A and B AC *wh.*
					96.9	58.00	... 7.8	1831.95	Σ 3	A and C
6047	**H 1212**	SD (16°) 3399	3 24	−16 54	100±	18±	9–10...11	1828+	H	
6048	**H 2599**	....	3 40	73 30	114.0	8±	10 ...13	1830+	H	
6049	**H 1213**	SD (5°) 3439	4 11	− 5 47	102±	25±	9=9	1828+	H	
6050	**Σ 1605**	W^1 XII^h. 28	4 19	− 1 34	278.4	23.49	8.0... 8.5	1830.64	Σ 3	*White*
6051	**Espin 73**	DM (55°) 1515	4 21	55 35	20.9	31.25	8.2...	1901.68	Es 3	A and B
					305.8	3.64	10.5...10.7	1901.68	Es 3	B and C
6052	**Σ 3079**	SD (4°) 3246	4 32	− 4 5	88.4	14.61	8.7...10.7	1831.96	Σ 3	
6053	**Σ 1606**	DM (40°) 2508	4 44	40 34	348.6	1.39	6.3... 7.0	1831.48	Σ 3	*White*
6054	**A 77**	SD (5°) 3442	4 59	− 5 53	59.7	0.50	8.1...10.3	1900.34	A 3	(*A. N.* 3668)
6055	**H 3336**	DM (68°) 676	5 1	68 4	264.8	15±	9 ...10	1831+	H	
6056	**A 142**	L 22859	5 9	− 7 13	23.4	1.51	8.6...10.5	1901.28	A 3	
6057	**H 2600**	....	5 9	33 56	345.8	8±	11=11	1830+	H	
6058	**S 634**	L 22863	5 14	−16 7	277.0	7.97	8 ...10	1824.29	S 2	"Small star *blue*"
6059	**H 844**	....	5 19	33 7	320±	10±	9 ...12	1820+	H	
6060	**Σ 3080**	W^1 XII^h. 50	5 24	−13 2	200.3	4.56	8.3...10.3	1831.62	Σ 3	
6061	**H 845**	SD (6°) 3521	5 26	− 6 56	260±	4–5	10 ...12	1820+	H	
6062	**Σ 1610** *rej.*	L 22870	5 26	39 26	....	Cl. IV	8 ...10	....	....	
6063	**Σ 1607**	DM (36°) 2246	5 30	36 45	350.3	33.07	7.8... 8.3	1830.99	Σ 3	A and B AB *wh.*
					320±	12±	...(15)	1820+	H	B and C
6064	**Σ 1608**	O. Arg. N. 12431	5 31	54 6	223.9	10.59	7.5... 7.7	1832.04	Σ 3	*Yel'sh wh.*
6065	**H 4505**	O. Arg. S. 11977	5 31	−29 56	267.3	12±	8½...13	1835.2	H	
6066	**H 4506**	Cord. DM (23°) 10415	5 32	−23 18	15.8	4±	8 ...13	1836.2	H	
6067	**Sh 136**	B. A. C. 4106	5 36	82 23	76.7	63.44	6 ... 8½	1823.35	Sh 1	
6068	**Σ 1609**	DM (51°) 1734	5 41	51 30	206.3	10.81	7.7... 9.5	1831.90	Σ 2	7.7 *very wh.*
6069	**H 2601**	....	5 46	21 4	64.1	12±	10 ...11	1830+	H	
6070	**H.C.Wilson 10**	....	6 :	−22 50:	37.8	11.17	9.5... 9.8	1882.28	W 1	(Cin^{10})
6071	**Hu 133**	SD (21°) 3491	6 2	−21 51	329.5	1.54	8.7... 9.0	1900.34	Hu 3	(*A. J.* 485)
6072	**Σ 1611**	DM (69°) 649	6 6	69 16	7.7	1.41	8.3...10.2	1832.19	Σ 3	
6073	**H 2602**	....	6 20	46 58	228.3	25±	9–10...10	1830+	H	
6074	**OΣ (App) 118**	....	6 24:	82 35:	....	Cl. VI	6.7... 8	....	....	
6075	**Σ 1612**	DM (11°) 2435	6 28	11 26	8.1	5.70	9.2... 9.7	1829.29	Σ 3	
6076	**Σ 1613**	DM (36°) 2248	6 30	36 26	18.5	1.64	8.5... 8.8	1832.02	Σ 3	*White*
6077	**Σ 1614**	DM (67°) 735	7 17	67 44	191.8	18.70	8.0...10.7	1831.50	Σ 2	8.0 *white*
6078	**Hu 735**	Cord. DM (24°) 10222	7 33	−24 15	71.5	0.42	9.2... 9.2	1900.30	Hu 1	
6079	**Hu 569**	DM (22°) 2452	7 42	22 23	152.9	1.12	9.0...11.5	1902.44	Hu 3	(*Bul. L. O.* No. 27)
6080	**Hu 570**	DM (22°) 2453	7 42	21 58	104.0	2.54	8.8...13.0	1902.44	Hu 3	(*Bul. L. O.* No. 27)
6081	**H 2603**	L 22932	7 57	12 49	14.4	15±	7 ...14	1830+	H	
6082	**Σ 1615**	DM (33°) 2205	8 4	33 27	88.3	26.93	6.0... 8.2	1831.90	Σ 4	*Yel'sh: ash*
6083	**H 203**	W^1 XII^h. 94	8 6	− 5 3	335±	25±	6 ...19	1820+	H	A and B
					205±	60±	...14	1820+	H	A and C
6084	**Σ 1616**	*Virginis* 75	8 19	9 27	296.5	23.34	7.5... 9.7	1828.21	Σ 2	7.5 *yel'sh wh.*
6085	**H 2604**	DM (55°) 1520	8 22	55 47	335±	15±	9 ...10	1830+	H	
6086	**Innes 81**	Cord. DM (29°) 9631	8 44	−29 5	344.0	2.66	9.4...10.4	1901.95	I 2	
6087	**H 204**	W^1 XII^h. 103	8 51	− 0 40	55±	30±	8–9...11	1820+	H	*White: deep blue*
6088	**Σ 1618**	DM (10°) 2394	12 8 56	10 40	244.6	25.84	8.5... 8.5	1829.02	Σ 4	*White*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6089	Σ 1617 *rej.*	DM (8°) 2580	12^h 8^m 56^s	8°12′	....	Cl. IV	8.5...	....	Σ	
6090	Σ 1619	W^1 XII^h. 105	8 59	− 6 35	287°.6	7″.79	7.5... 7.8	1829.74	Σ 4	*White*
6091	H 2605	....	9 18	55 41	350±	20±	11 ...11	1830+	H	
6092	H 3337	....	9 27	15 34	....	....	....	1831+	H	
6093	H 1214	DM (1°) 2673	9 34	1 31	195±	12±	10 ...14	1828+	H	A and B } (See p. 1074)
					330±	6±	...15	1828+	H	A and C
6094	β 920	*Corvi* 17	9 34	−22 41	232.4	0.77	6.5... 7.0	1879.37	β 1	
6095	Σ 1620	DM (9°) 2611	9 41	9 42	79.9	1.94	8.5...10.3	1830.33	Σ 3	
6096	A 143	SD (7°) 3377	9 44	− 7 19	148.8	1.00	9.2...10.3	1901.27	A 3	A and B }
					113.4	13.02	...11.5	1901.26	A 2	A and C
6097	Σ 1621	DM (6°) 2573	9 54	6 19	124.0	3.44	8.8...10.3	1830.32	Σ 4	
6098	A 144	L 22983	9 55	− 6 48	111.3	0.83	8.9...10.0	1901.28	A 3	
6099	Hu 736	DM (48°) 2010	10 [illegible]	48 48	....	0.3±	8.5...	....	Hu	
6100	H 4509	....	10 4	−26 26	124±	25±	9 ...12	1836.2	H	
6101	Σ 1623 *rej.*	DM (5°) 2605	10 4	5 23	....	Cl. IV	9 ...10	....	Σ	
6102	Σ 1622	2 *Canum Ven.*	10 7	41 20	259.6	11.42	5.7... 8.0	1832.16	Σ 6	*Very gold: blue*
6103	Espin 124	DM (42°) 2287	10 12	42 34	135±	5±	9.0...12.5	1902	Es	(*M. N.* LXIII, 172)
6104	H 1215	DM (42°) 2288	10 38	42 30	35±	25±	9–10 = 9–10	1828+	H	
6105	Σ 1624	DM (40°) 2516	10 42	40 16	150.0	6.15	6.8... 9.7	1831.99	Σ 3	6.8 *wh.*
6106	A. G. 176	A. G. Leiden 4638	10 43	30 44	177.7	2.48	9.0... 9.2	1903.42	A 4	
6107	Σ 1625	Redhill 1825	11 0	80 48	218.8	14.28	6.5... 7.0	1832.24	Σ 3	*Very wh.*
6108	Σ 1626	O. Arg. N. 12522	11 5	70 49	8.2	2.24	8.3... 8.5	1831.54	Σ 3	*White*
6109	β 796	L 23014	11 19	7 16	270.9	0.31	8.0... 8.8	1881.34	β 3	
6110	H 2606	DM (42°) 2289	11 26	41 57	172.8	3½±	9–10...12	1830+	H	(See p. 1074)
6111	OΣ 245	W^2 XII^h. 199	11 28	29 36	275.1	8.33	6.1...10.2	1848.06	OΣ 4	6.2 *yel.*
6112	β 921	*Corvi* 22	11 42	−23 21	218.5	3.10	7.5...11.6	1880.55	β 5	
6113	Σ 1627	P XII.^{h} 32, 33	12 0	− 3 17	196.3	20.06	5.9... 6.4	1830.05	Σ 4	*Very wh.*
6114	OΣ 246 *rej.*	Rad^1. 2828	12 23	69 28	....	obl?	7–8...	....	OΣ	
6115	Σ 1628	DM (12°) 2446	12 36	12 28	239.3	9.28	8.5 ...8.7	1828.82	Σ 2	*White*
6116	H 1216	....	12 36	11 58	245.0	5±	8–9... 9	1828+	H	
6117	Espin 74	DM (41°) 2588	12 42	41 44	120.6	9.3	8.0...12	1901	Es	(*A. N.* 3784)
6118	H 206	....	12 54:	− 0 58:	300±	7±	12 ...13	1820+	H	(See p. 1074)
6119	H 4514	Cord. DM (26°) 9085	12 54	−26 46	116.0	12±	10 = 10	1836.2	H	
6120	Σ 1629 *rej.*	DM (3°) 2628	13 0	3 37	....	Cl. IV	8–9...11	....	Σ	
6121	Σ 1630	DM (57°) 1366	13 3	57 2	166.8	2.32	8.3... 9.0	1832.49	Σ 3	*Very wh.*
6122	H 2607	DM (20°) 2704	13 8	20 4	242.0	9±	10 ...11	1830+	H	
6123	A 145	L 23073	13 10	− 8 15	164.8	3.22	7.0...14.7	1901.27	A 3	
6124	H 2609	....	13 18	5 55	....	....	....	1830+	H	
6125	H 2608	....	13 47	56 3	268.0	3±	11–12 = 11–12	1830+	H	
6126	H 847	....	13 54	11 11	125±	3±	11 ...12	1820+	H	"A star 10m. *sp.*"
6127	β 605	B. A. C. 4149	13 58	−21 30	144.2	1.25	6.0... 8.0	1878.22	β 2	
6128	Σ 1631 *rej.*	W^1 XII^h. 196	13 58	−13 27	268.5	20±	8–9...11–12	1830+	H	From H (V)
6129	β 27	L 23106	13 59	14 31	106.5	3.39	7.1...11.0	1875.53	Δ 4	
6130	Σ 1632	*Canum Ven.* 20	14 15	38 34	193.4	10.09	6.5... 9.7	1831.38	Σ 2	6.5 *yel.*
6131	β 1245	ζ *Corvi*	14 21	−21 33	42.3	4.81	5.5...13.8	1891.31	β 3	
6132	H 207	....	14 35:	15 8:	100±	20±	10 = 10	1820+	H	
6133	Ho 52	11 *Comae*	14 39	18 27	43.5	9.08	5 ...13	1883.66	Ho 6	
6134	Σ 1633	*Comae* 55	14 39	27 44	245.1	8.74	7.1... 7.2	1831.40	Σ 4	*Very wh.*
6135	Σ 1634	W^2 XII^h. 281	14 40	23 35	148.8	5.24	8.1... 9.9	1830.82	Σ 4	8.1 *yel'sh wh.*
6136	Ho 536	DM (35°) 2332	14 42	35 40	95.5	3.28	8.5... 9.7	1896.90	Ho 3	(*A. N.* 3757)
6137	H 517	W^2 XII^h. 284	14 42	26 26	265±	12±	8 ...11	1820+	H	
6138	Σ 1635	L 23131	14 57	−10 48	173.5	13.39	7.7... 8.7	1831.27	Σ 3	*White*
6139	Howe 26	O. Arg. S. 12105	15 19	−23 33	329.8	5.53	8.5... 8.5	1877.37	Cin 1	
6140	H 2610	DM (51°) 1746	15 21	51 39	144.7	18±	9–10... 9–10	1830+	H	"Neat"
6141	Hu 737	DM (4°) 2607	15 24	4 13	47.2	2.70	9.0... 9.3	1900.20	Hu 1	
6142	Hn 12	DM (−1°) 2656	12 15 43	− 1 57	93.3	1.13	8.3... 8.8	1881.33	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6143	**Espin 75**	**DM** (46°) 2054	$12^h\ 15^m\ 54^s$	46°29′	217°.6	4″.3	9.0... 9.3	1901	Es	(*A. N.* 3784)
6144	**H 518**	....	15 56	29 49	....	....	....	1820+	H	"Neb. II 378 5′ *n*"
6145	**OΣ 247** *rej.*	**W¹ XII^h.** 237	16 11	3 58	....	obl.?	7 ...	....	OΣ	A and B
					334.6	12.62	...13.5	1899.50	Hu 3	A and C
6146	**Wn 4**	**Groom.** 1878	16 26	58 45	88.0	49.16	9.0... 9.3	1863.77	Wn 2	
6147	**Σ 1636**	17 *Virginis*	16 26	5 58	336.7	19.32	6.2... 9.0	1829.26	Σ 3	6.2 *greenish wh.*
6148	**Sh 143**	12 *Comae*	16 28	26 31	168.8	65.95	5 ... 8	1821.38	Sh 1	*White: red*
6149	**H 4517**	**SD** (19°) 3476	17 12	−19 36	186.3	15±	8 ... 9	1835.2	H	
6150	**H 208**	**DM** (15°) 2458	17 26	15 36	160±	15±	10 ...11	1820+	H	
6151	**Ho 53**	**L** 23196	17 29	14 35	295.3	1.89	8.0...11.7	1882.95	Ho 2	
6152	**See 150**	**Lac.** 5131	17 31	−29 40	102.5	17.86	6 ...13.5	1897.37	See 1	
6153	**Σ 1637** *rej.*	**DM** (24°) 2451	17 33	24 6	144.9	120.65	8.6... 9.5	1804.11	β 1	
6154	**H 209**	**SD** (2°) 3511	17 46	− 2 23	140±	25±	9 ... 9+	1820+	H	
6155	**OΣ 249**	**Rad¹.** 2853	18 2	54 49	315.0	0.53	7.2... 8.0	1853.19	OΣ 5	A and B
					149.7	13.23	...11.2	1855.86	OΣ 2	AB and C
6156	**OΣ 248** *rej.*	**L** 23206	18 4	6 38	....	obl.	7 ...	....	OΣ	
6157	**Σ 1638** *rej.*	**DM** (43°) 2219	18 18	43 43	....	Cl. III	8–9... 9–10	....	....	
6158	**Σ 1639**	*Comae* 68	18 25	26 15	292.8	1.18	6.7... 7.9	1836.49	Σ 2	*Wh.: ashy wh.*
6159	**OΣ 250**	**L** 23220	18 30	43 45	330.7	0.44	7.7... 8.0	1845.98	OΣ 3	
6160	**A. G. 177**	**A. G. Alb.** 4479	18 35	3 5	216.6	6.35	9.0...10.0	1902.36	M 3	
6161	**Σ 1641**	**DM** (38°) 2330	18 38	38 24	50.4	6.14	10.0...10.5	1831.38	Σ 2	
6162	**Σ 1640** *rej.*	....	18 44	64 27	229.0	20±	9 ...10	1831+	H	
6163	**See 152**	**O. Arg. S.** 12149	19 6	−30 28	87.1	2.35	7.7...12	1897.38	See 1	
6164	**O. Stone 23**	**O. Arg. S.** 12151	19 22	−27 45	329.7	13.83	8.0... 9.5	1879.71	Cin 2	
6165	**β 606**	*Corvi* 35	19 48	−14 17	97.9	1.38	7.0... 9.0	1878.30	β 2	
6166	**Σ 1642**	**DM** (45°) 2033	19 53	45 24	183.2	2.80	8.0... 8.8	1832.77	Σ 3	*White*
6167	**β 922**	**L** 23254	19 58	− 3 49	165.3	0.74	8.1... 8.9	1891.27	β 3	
6168	**Hn 13**	**DM** (−1°) 2666	20 17	− 1 13	153.2	1.40	8.1... 8.4	1881.33	β 3	
6169	**H 2611**	....	20 23	−12 56	219.5	8±	12 ...13	1830+	H	
6170	**A 78**	**SD** (4°) 3281	20 37	− 4 56	86.0	0.29	8.0... 8.5	1900.36	A 3	
6171	**A. G. Clark 4**	**L** 23271	20 37	0 29	233.6	0.85	7.5...11.0	1876.43	Hl 3	
6172	**A 79**	**W¹ XII^h.** 310	20 50	− 2 52	90.4	0.38	8.3... 8.8	1900.37	A 4	A and B
					346.2	15.62	...14.5	1900.39	A 2	AB and C
6173	**S 637**	**O. Arg. S.** 12168	20 59	−19 18	203.1	61.63	10 ...12	1825.35	S 3	
6174	**Σ 1643**	**DM** (27°) 2135	21 13	27 42	71.2	1.94	8.4... 8.7	1830.36	Σ 5	*White*
6175	**Σ 1644**	**DM** (8°) 2603	21 18	8 3	248.6	21.82	8.7... 9.2	1827.55	Σ 3	*White*
6176	**Hu 466**	**SD** (17°) 3627	21 21	−17 57	34.8	2.85	9.5...10.0	1902.31	Hu 3	(*Bul. L. O.* No. 21)
6177	**β 923**	*Virginis* 168	22 12	5 4	59.6	2.16	6.8...13.5	1879.33	β 3	
6178	**Σ 1646**	**DM** (37°) 2279	22 13	37 21	254.2	5.29	8.5...11.0	1832.32	Σ 4	8.5 *white*
6179	**Σ 1645**	**L** 23328	22 16	45 28	161.5	10.44	7.0... 7.5	1832.38	Σ 3	*Yel'sh wh.*
6180	**β 1080**	17 *Comae*	22 55	26 35	156.8	1.79	...13.7	1889.11	β 3	B and C AB *wh.: bluish wh.*
					250.7	145.35	4.8... 6.0	1836.43	Σ 5	A and B
6181	**OΣ 251**	**L** 23349	23 9	32 3	125.0	0.42	7.4... 9.1	1844.00	OΣ 3	
6182	**β 1324**	**DM** (30°) 2281	23 32	30 11	223.3	2.50	9.3... 9.9	1904.19	β 3	
6183	**Sh 145**	δ *Corvi*	23 40	−15 51	213.6	24.00	4½... 9	1823.27	Sh 1	
6184	**H 3339**	....	23 43	29 17	....	....	....	1831+	H	"No description"
6185	**β 28**	**B. A. C.** 4213	23 53	−12 44	353.7	1.81	6.4...10.2	1875.29	Δ 5	
6186	**Σ 1648**	**DM** (4°) 2622	24 27	4 10	38.4	7.79	7.8... 9.8	1829.58	Σ 3	7.8 *yel.*
6187	**Σ 1647**	*Virginis* 191	24 28	10 23	202.4	1.19	7.5... 7.8	1830.07	Σ 7	*White* (See p. 1074)
6188	**H 519**	**DM** (36°) 2275	24 32	36 48	360±	15±	10 = 10	1820+	H	H (V) 1°.5: 22″±: 9=9
6189	**H 2612**	**DM** (76°) 450	24 34	75 55	300±	10±	9 ...12	1830+	H	
6190	**H 2613**	**DM** (74°) 498	24 50	74 4	314.1	20±	10–11...11	1830+	H	
6191	**A. G. 178**	**A. G. Alb.** 4504	24 55	2 46	287.2	1.32	8.5... 8.8	1901.36	β 2	
6192	**Sh 146**	**DM** (2°) 2552	25 7	1 59	289.6	49.74	7 ... 8½	1823.42	Sh 2	
6193	**Σ 1649**	**W¹ XII^h.** 400	25 24	−10 25	194.1	15.17	7.2... 8.0	1830.60	Σ 3	*White*
6194	**Hu 467**	**SD** (17°) 3641	25 28	−17 9	123.9	0.80	9.2...10.8	1902.31	Hu 3	(*Bul. L. O.* No. 21)
6195	**Σ 1650**	**DM** (25°) 2518	12 25 33	25 17	178.3	17.04	8.5...10.0	1830.38	Σ 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6196	Σ 1651	*Comae* 88	12^h 25^m 45^s	27° 41′	218°4	6′60	8.1... 9.9	1830.80	Σ 4	8.1 *yel'sh wh.*
6197	H 2614	....	25 58	41 14	224.3	18±	10 ...11	1830+	H	
6198	H 211	....	26 12:	− 1 14:	275±	3±	12 ...13	1820+	H	
6199	Hu 571	DM (20°) 2730	26 16	20 40	81.1	0.26	8.8... 8.8	1902.51	Hu 2	(*Bul. L. O.* No. 27)
6200	Σ 1652	DM (21°) 2429	26 30	21 46	181.9	6.02	9.0... 9.0	1830.04	Σ 3	
6201	A. G. 179	A. G. Berlin 4544	26 45	23 40	136.4	0.91	9.0...10.0	1902.49	Hu 1	
6202	H 1217	W^1 XII^h. 421	26 53	− 1 38	310±	25±	8 ...15	1828+	H	8 6m. in DM (See p. 1074)
6203	H 4527	....	26 54	−23 10	94.3	2±	11 = 11	1834+	H	
6204	Σ 1654	O. Arg. N. 12741	27 13	75 28	26.0	3.74	7.3... 8.8	1832.12	Σ 3	*Yel.: blue*
6205	H 212	DM (10°) 2438	27 24	10 51	265±	30±	9 ... 9	1820+	H	
6206	Σ 1653	W^2 XII^h. 549	27 27	32 42	343.2	7.80	8.3... 8.5	1831.96	Σ 3	*White*
6207	Σ 1656	DM (39°) 2535	27 44	39 17	204.7	26.78	8.5... 8.5	1831.37	Σ 3	*White*
6208	Lv 5	SD (17°) 3651	27 53	−17 32	32.6	1.40	7.1... 9.7	1888.19	Lv 2	
6209	β 797	DM (6°) 2630	28 27	6 38	171.2	0.73	8.5... 8.6	1881.31	β 3	A and B
					3.2	77.29	... 9.0	1881.31	β 3	AB and C
6210	Ho 537	DM (34°) 2331	28 31	34 50	181.2	0.77	8 ...10	1896.34	Ho 3	
6211	Σ 1658	DM (8°) 2621	29 0	8 7	341.5	2.02	8.0... 9.8	1830.64	Σ 3	8.0 *yel'sh*
6212	Σ 1657	24 *Comae*	29 6	19 2	271.9	20.42	4.7... 6.2	1830.03	Σ 6	*Yel.: very blue*
6213	Σ 1660	DM (59°) 1450	29 27	58 54	118.6	19.54	8.8...10.0	1831.53	Σ 3	
6214	H 1218	L 23536	29 28	−16 10	266.	12±	7 ...15	1828+	H	*White: red*
6215	Σ 1659	SD (11°) 3330	29 32	−11 23	351.9	27.08	8.0... 8.1	1832.28	Σ 4	A and B
					68.8	30.92	...11.0	1832.28	Σ 4	A and C AB *very white*
					115.6	36.22	....	1832.28	Σ 4	B and C
6216	Σ 1661	W^1 XII^h. 476	29 57	12 4	226.0	2.56	8.5... 8.5	1828.67	Σ 3	*White*
6217	H 848	....	30 2	− 7 39	310±	8±	11 ...12	1820+	H	
6218	Σ 1662	DM (57°) 1381	30 16	57 14	229.5	20.19	7.7...10.0	1831.53	Σ 3	7.7 *yel.*
6219	Hu 134	SD (11°) 3337	30 37	−11 43	55.7	2.57	8.5...10.5	1900.39	Hu 3	(*A. J.* 485)
6220	A 562	A. G. Berlin 4562	30 45	24 18	5.0	3.20	8.6...13.5	1903.42	A 3	(*Bul. L. O.* No. 50)
6221	A. G. 180	DM (21°) 2434	30 49	20 54	....	....	7.7...	....	....	
6222	Σ 1663 = OΣ 252	DM (21°) 2436	31 12	21 52	116.8	0.81	7.8... 8.7	1830.38	Σ 3	
6223	Pritchett	....	31 18:	− 7 0	76.8	5.89	....	1880.36	Pt 1	
6224	H 2615	....	31 24	−13 13	288.6	8±	12 ...12	1830+	H	
6225	Σ 1664	W^1 XII^h. 508	32 7	−10 51	271.6	17.10	7.7... 8.8	1830.23	Σ 3	*Yel.: blue*
6226	H 1219	DM (45°) 2055	32 14	45 24	85±	8±	10 = 10	1828+	H	
6227	Hu 468	SD (17°) 3667	32 16	−17 53	301.4	1.03	9.0...12.2	1902.32	Hu 3	(*Bul. L. O.* No. 21)
6228	H 2616	....	32 27	14 27	....	....	....	1830+	H	
6229	Σ 1665	W^1 XII^h. 516	32 30	− 4 40	97.4	8.83	8.5... 9.0	1830.23	Σ 3	*White*
6230	S 639	P XII^h. 143	32 33	− 3 43	105.4	50.55	8 ...13–14	1825.36	S 3	
6231	H 4537	Cord. DM (30°) 10041	32 56	−30 8	355±	12±	9 ...11	1834.3	H	
6232	H 1220	....	33 0	− 0 54	50±	4±	10–11..11–12	1828+	H	
6233	Σ 1666	DM (15°) 2491	33 8	14 59	189.8	7.10	7.9...10.0	1830.08	Σ 4	7.9 *yel'sh wh.*
6234	Σ 1667	DM (65°) 894	34 23	65 20	38.9	1.09	8.5... 9.5	1832.89	Σ 5	*White*
6235	H 213	....	34 28:	15 55:	225±	15±	....	1820+	H	
6236	Σ 1668	*Virginis* 270	34 50	9 29	196.9	1.70	7.5... 8.0	1830.02	Σ 3	*Very wh.*
6237	H 2617	W^2 XII^h. 710	34 51	40 57	10.8	4±	9 ...10	1830+	H	
6238	β 607	*Schj.* 4572	35 2	− 0 48	315.8	1.16	8.8...11.0	1878.23	β 4	
6239	Σ 1669	*Corvi* 58	35 3	−12 21	298.9	5.44	6.5... 6.5	1828.66	Σ 3	*Yel'sh wh.*
6240	H 2618	DM (75°) 477	35 10	75 21	24.6	20±	9 = 9	1830+	H	
6241	H 2619	O. Arg. N. 12895	35 25	75 5	270.0	25±	8–9...11	1830+	H	
6242	H VI. 81	27 *Virginis*	35 32	11 5	....	88.80	....	1783.10	H 1	
6243	Σ 1670	γ *Virginis*	35 37	− 0 47	277.9	2.37	3.0... 3.0	1825.32	Σ 6	A and B
					159.4	53.12	...14.5	1889.30	β 3	A and C AB *yel'sh*
					88.0	102.78	...11.6	1880.27	β 3	B and D
6244	Ho 54	W^1 XII^h. 573	12 35 46	10 33	102.9	120.11	7.0...	1882.43	Ho 1	A and BC
					151.0	1.48	10 ...10	1882.43	Ho 1	B and C
					35.7	2±	...13.5	1883.41	Ho 1	BC and D

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6245	β 924	31 *Virginis*	$12^h 35^m 52^s$	7°28′	29°.0	3″.66	5.8...11.6	1880.14	β 5	
6246	Ħ N. 143	....	36 :	8 42:	*sp*	Cl. I	....	1802.08	Ħ I	
6247	Σ 1671 *rej.*	DM (69°) 673	36 6	69 10	....	....	8...9...9	....	Σ	Cl. IV and V
6248	H 4542	O. Arg. S. 12355	36 14	−23 57	60.6	30±	7½...12	1836.2	H	In O. Arg. 9 m.
6249	Σ 1673 *rej.*	DM (−1°) 2716	36 49	− 1 36	....	....	9 ...10	....	....	Cl. III-IV (See p. 1074)
6250	Σ 1672	W^2 XII^h. 747	36 50	34 28	314.1	4.15	8.0... 9.2	1832.30	Σ 4	8.0 *white*
6251	H 215	....	37 30:	− 4 8:	285±	2–3	12 ...14	1820+	H	
6252	Hu 738	SD (11°) 3353	37 33	−11 21	243.6	6.50	6.3...11.5	1900.24	Hu 3	
6253	Σ 1674	DM (8°) 2636	37 43	8 13	174.4	2.35	8.5... 9.2	1829.65	Σ 3	*White*
6254	Ho 380	W^2 XII^h. 766	37 51	15 46	348.5	1.62	8.2...12	1892.35	Ho 2	
6255	H 1221	....	38 1	74 11:	260±	....	....	1828+	H	
6256	OΣ 253	L 23748	38 3	21 50	238.1	6.56	7.3...10.5	1847.31	OΣ 4	7.0 *white*
6257	OΣ 254 *rej.*	Rad^1. 2904	38 18	59 32	....	obl.?	7 ...	....	OΣ	
6258	Ho 256	DM (36°) 2305	38 23	36 26	101.9	0.5±	7.0... 9.0	1887.40	Ho 1	
6259	Σ 1675	DM (35°) 2370	38 40	35 4	9.6	31.07	8.3... 9.0	1831.38	Σ 3	*Yel'sh: wh.*
6260	Σ 1676	DM (37°) 2317	38 44	36 56	348.9	4.11	9.2... 9.9	1832.14	Σ 5	
6261	Σ 1677	W^1 XII^h. 635	39 7	− 3 14	348.4	15.90	7.0... 8.0	1830.61	Σ 3	*Yel'sh: wh.*
6262	H 521	DM (28°) 2148	39 11	28 3	10±	20±	7 ...20	1820+	H	
6263	Σ 1678	DM (15°) 2504	39 26	15 2	211.6	32.60	6.3... 7.0	1832.27	Σ 6	*Very wh.: yel'sh wh.*
6264	H 4549	....	39 34	−23 47	135±	15±	10½...11	1836.2	H	
6265	H 217	....	39 51:	10 49:	160±	25±	....	1820+	H	
					220±	25±	....	1820+	H	
6266	O. Stone 24	....	40 2	−21 47	113.3	1.5±	8.5...10.5	1879.35	Cin 1	
6267	OΣ 255 *rej.*	W^1 XII^h. 654	40 8	3 7	337.6	20.20	7 ...12	1878.28	β 1	
6268	Σ 1679	O. Arg. N. 12973	40 28	50 29	208.3	5.52	8.5... 9.0	1832.05	Σ 3	*White*
6269	A. G. 181	A. G. Leid. 4764	41 28	34 36	....	....	9.3...	....	....	
6270	H 4551	....	41 48	−24 9	321.2	20±	10 = 10	1835.4	H	"Between two bright stars"
6271	β 459	W^1 XII^h. 689	41 58	4 7	289.5	3.80	8.2...11.5	1877.93	Δ 2	
6272	A. G. 182	A. G. Leid. 4768	42 16	34 59	192.4	2.27	9.2...10.0	1904.26	β 1	
6273	Hu 135	SD (12°) 3700	42 47	−12 58	353.0	3.38	8.7... 9.3	1900.32	Hu 4	(*A. J.* 485)
6274	S 642	W^2 XII^h. 848	42 49	14 42	36.2	54.42	8½...11	1825.34	S 2	
6275	O. Stone 25	....	43 :	−20 40	1.6	10±	8.5...10.0	1879.35	Cin 1	(Cin^5)
6276	Hn 117	DM (8°) 2644	43 4	8 18	16.8	2.39	9.1... 9.5	1888.36	Com 3	
6277	Σ 1680	DM (22°) 2515	43 18	22 26	341.4	3.01	8.8...11.0	1830.66	Σ 3	
6278	Σ 1681	W^1 XII^h. 719	43 29	4 28	193.5	8.47	8.5... 8.5	1830.32	Σ 3	*White*
6279	Hu 136	SD (17°) 3715	44 10	−17 56	131.7	0.75	9.0... 9.4	1900.35	Hu 2	(*A. J.* 485)
6280	A 563	A. G. Berlin B. 4621	44 11	24 48	210.0	0.44	9.0... 9.8	1903.43	A 4	(*Bul. L. O.* No. 50)
6281	Hu 640	DM (21°) 2462	44 47	21 11	94.5	0.39	9.5... 9.5	1902.54	Hu 1	
6282	H 4553	....	44 49	−29 6	348.6	8±	10 ...11	1835.2	H	
6283	Σ 1717	DM (89°) 21	45 :	89 20	340.7	7.80	8.6...10.0	1832.89	Σ 5	
6284	Σ 1682	P XII^h. 196	45 8	− 9 41	308.8	33.65	6.7... 9.0	1831.61	Σ 3	6.7 *yel.*
6285	H 4554	Lac. 5301	45 15	−30 25	28±	18±	6 ...10	1834.3	H	
6286	Σ 1683	SD (5°) 3585	45 28	− 5 29	197.2	15.35	8.3...11.0	1831.61	Σ 3	8.3 *yel.*
6287	H 522	30 *Comae*	45 51	28 13	3±	35–40	6 ...18	1820+	H	
6288	H 849	....	45 52	10 17	315±	2±	11 ...12	1820+	H	
6289	Σ 1685	P XII^h. 201, 202	45 59	19 49	200.8	15.82	6.8... 7.3	1829.87	Σ 6	*White*
6290	Σ 1684 *rej.*	DM (26°) 4399	46 2	26 20	....	Cl. IV	7 ...10	....	Σ	
6291	H 523	....	46 9	35 26	360±	10±	10 = 10	1820+	H	
6292	Σ 23, App. I	32 and 33 *Comae*	46 14	17 43	48.8	194.77	5.3... 6.1	1836.32	Σ 5	*Yel.: wh.*
6293	H 2621	W^1 XII^h. 766	46 25	7 52	....	40±	9...9...11	1830+	H	
6294	H 524	DM (32°) 2288	46 42	32 35	110±	12±	10 ...11	1820+	H	
6295	Σ 1686	*Virginis* 359	46 59	15 41	187.6	5.37	8.0... 8.2	1829.33	Σ 3	*White*
6296	Σ 1687	35 *Comae*	47 23	21 54	25.3	1.43	5.0... 7.8	1829.99	Σ 5	A and B AB *yel'sh: blue*
					124.7	28.60	... 9.0	1830.15	Σ 4	A and C
6297	O. Stone 26	O. Arg. N. 12501	47 25	−28 40	31.5	2.99	7.6... 9.5	1881.34	β 3	
6298	H 218	....	12 47 26:	18 37	265±	10±	11 ...12	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6299	S 643	L 24020–21	$12^h 47^m 40^s$	−17°23′	295°.1	23′.51	8 ... 9	1825.26	S 4	
6300	H 1222	P XII^h. 209	47 40	47 26	....	....	9–10...	1828+	H	
6301	H 4556	Yar. 5376	47 48	−27 18	83.0	7±	8 ...10	1835.2	H	
6302	Σ 1688	L 24038	47 53	38 37	346.0	14.19	8.5...10.0	1831.34	Σ 2	8.5 *white*
6303	Σ 1694	*Camelopardali* 32 (Hev)	48 13	84 4	327.2	21.75	4.9... 5.4	1832.51	Σ 4	*Very wh.*
6304	H 2622	DM (43°) 2274	48 46	43 28	337.5	18±	9–10...13	1830+	H	
6305	H 2623	DM (43°) 2275	49 0	43 33	169.9	20±	10 ...13	1830+	H	
6306	H 4558	....	49 22	−29 29	182.8	20±	9½...10	1835.2	H	
6307	Σ 1689	P XII^h. 221	49 29	12 9	198.4	28.66	6.7... 9.0	1827.78	Σ 2	*Yel'sh: bluish*
6308	....	*δ Virginis*	49 34	4 3	142.3	152.03	3½...10.5	1879.30	β 2	
6309	Σ 1691	DM (58°) 1402	49 50	58 49	276.5	19.05	8.2... 9.0	1831.53	Σ 3	*White*
6310	H 850	....	49 52	8 51	173±	5±	10 ...11	1820+	H	
6311	Σ 1690	W^1 XII^h. 831	50 4	− 4 13	149.8	5.85	7.4... 8.9	1832.47	Σ 6	*Wh.: bluish*
6312	OΣ 256	L 24098	50 17	− 0 18	57.2	0.66	7.2... 7.6	1848.70	OΣ 6	*White*
6313	Σ 1692	12 *Canum Ven.*	50 25	38 58	227.3	19.92	3.2... 5.7	1830.52	Σ 4	*White*
6314	Σ 1697 *rej.*	W^2 XII^h. 998	50 34	43 2	....	Cl. IV	8 ... 9	....	Σ	
6315	Σ 1693	W^1 XII^h. 844	50 36	7 40	335.2	8.35	9.0... 9.7	1828.28	Σ 3	
6316	Ho 538	L 24113	50 38	21 40	117.8	2.10	8.7...12	1894.35	Ho 3	(*A. N.* 3557)
6317	Σ 1698	O. Arg. N. 13151	50 55	75 18	109.5	10.31	8.2... 8.7	1831.58	Σ 2	*White*
6318	Σ 1695	*Ursae Majoris* 417	51 3	54 45	289.1	3.26	6.3... 8.2	1832.13	Σ 3	*Wh.: ash*
6319	β 925	Groom. 1938	51 6	44 12	211.3	7.11	6.5...12.0	1879.82	β 2	
6320	A 146	L 24121	51 13	− 9 6	308.0	1.82	7.5... 9.8	1901.27	A 3	
6321	OΣ 257	Rad^1. 2940	51 15	46 16	353.6	13.08	7.5... 8.2	1846.73	OΣ 3	
6322	H 2624	....	51 20	−16 30	223.5	18±	9 ...10	1830+	H	
6323	O. Stone 27	L 24129	51 32	−12 29	65.1	2.03	7.8... 8.0	1880.30	Cin 3	
6324	Σ 1696	W^2 XII^h. 1010	51 38	31 1	202.5	3.60	8.0... 8.2	1832.60	Σ 3	*Very wh.*
6325	H 2626	....	51 43	70 41	54.5	12±	11 ...12	1830+	H	
6326	β 926	L 24147	52 14	− 5 24	270.4	2.06	8.1...11.3	1880.33	β 3	
6327	H 2627	DM (48°) 2069	52 16	48 7	135.5	16±	9–10...11	1830+	H	
6328	Hu 641	DM (50°) 1965	52 30	50 27	8.7	0.30	10.0...10.0	1902.96	Hu 1	
6329	Σ 1699	W^2 XII^h. 1030	52 54	28 8	1.2	1.47	7.8... 7.8	1830.41	Σ 3	
6330	Σ 1700	DM (27°) 2201	52 54	27 46	83.4	7.07	8.2...10.0	1831.34	Σ 3	8.2 *yel'sh*
6331	Σ 1702	DM (39°) 2586	52 56	38 56	82.7	35.65	8.0... 8.5	1831.35	Σ 2	*Yel'sh wh.: wh.*
6332	OΣ 258	Rad^1. 2946	52 58	83 10	70.2	10.41	6.8...10.0	1848.17	OΣ 3	7.2 *yel.*
6333	Σ 1703	L 24179	53 7	8 33	283.1	22.65	8.0...11.0	1829.27	Σ 2	8.0 *yel'sh*
6334	Σ 1701	DM (7°) 2600	53 16	7 9	306.6	21.68	7.5... 9.5	1829.74	Σ 2	7.5 *yel'sh*
6335	H 2628	DM (59°) 1475	53 21	59 1	34.6	25±	9 ...10–11	1830+	H	8.3 m. in DM
6336	H 2629	DM (74°) 516	53 23	74 46	36.5	18±	9 ...13	1830+	H	
6337	Σ 1704	44 *Virginis*	53 29	− 3 10	53.0	21.29	6.0...11.2	1830.63	Σ 3	6.0 *wh.*
6338	H 1223	DM (43°) 2285	53 45	43 24	190±	15±	9 ...11–12	1828+	H	
6339	Σ 1706 *rej.*	W^1 XII^h. 896	53 45	1 1	180±	15±	8 ...10.5	1876	β	
6340	A 564	A. G. Berlin 4659	54 16	24 21	329.7	1.52	8.8...12.2	1903.32	A 3	(*Bul. L. O.* No. 50)
6341	H 1224	....	54 19	− 5 25	50±	5±	11 ...12	1828+	H	"Close to neb."
6342	A. G. Clark 5	46 *Virginis*	54 25	− 2 43	159.2	1.28	6 ...11	1876.41	Hl 3	A and B }
					116.9	33.86	...13	1878.28	β 1	A and C }
6343	β 1081	37 *Comae*	54 32	31 26	351.3	5.15	4.5...13.8	1889.13	β 3	
6344	Hn 14	Lam. 1121	54 39	3 31	262.2	2.81	8.3...10.5	1881.43	β 3	
6345	β 112	P XII^h. 243	54 46	19 1	292.4	1.75	9.6...10.0	1875.08	Δ 3	B and C }
					347.4	153.39	6.2...	1875.38	Δ 2	A and BC }
6346	Σ 1705	DM (15°) 2531	54 49	15 2	188.0	26.77	8.2... 9.7	1827.80	Σ 2	
6347	Σ 1707	DM (16°) 2446	55 17	16 31	30.9	10.22	8.5...10.3	1828.90	Σ 3	
6348	β 1082	78 *Ursae Majoris*	55 35	57 1	74.6	1.50	6.0... 9.6	1889.17	β 6	
6349	Σ 1708	W^1 XII^h. 937	56 6	7 56	296.5	11.14	8.5...10.0	1828.28	Σ 2	
6350	H 2630	....	56 6	−16 51	99.2	13±	11 ...11+	1830+	H	
6351	Barnard 6	DM (16°) 2448	56 31	16 12	41.3	2.97	9.1...	1895.30	Bar 1	(*A. J.* 447)
6352	β 927	L 24257	12 56 34	− 5 53	291.3	4.17	8.3...10.3	1880.31	β 3	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6353	H 1225	....	$12^h\ 56^m\ 38^s$	− 1°20′	110° ±	11″ ±	11 ...12	1828+	H	
6354	Σ 1709	DM (24°) 2528	56 40	24 9	249.3	2.17	7.1... 9.9	1831.84	Σ 4	*7.1 very wh.*
6355	A. G. 183	DM (23°) 2528	56 44	23 36	....	....	8.2...	....	....	
6356	Hu 137	SD (11°) 3421	56 47	−11 31	120.7	3.58	9.1... 9.2	1900.47	Hu 3	(*A. J.* 485)
6357	H 2631	DM (57°) 1412	56 54	57 33	222.6	18±	9–10...13	1830+	H	“A large star *sp*”
6358	Σ 1711	DM (14°) 2572	56 54	14 7	355.9	1.43	8.5... 9.0	1829.35	Σ 3	
6359	H 2633	DM (74°) 518	56 55	74 21	96.0	3±	10–11=10–11	1830+	H	“A neat star”
6360	Σ 1710	DM (11°) 2530	56 57	11 5	266.3	2.21	8.7...10.0	1828.35	Σ 3	
6361	A. G. 184	DM (23°) 2530	57 9	23 17	....	....	7.5...	....	....	
6362	β 928	L 24274	57 10	− 5 47	313.2	1.83	7.8... 8.7	1880.31	β 3	
6363	β 341	*Hydrae* 348	57 20	−19 56	136.2	0.83	6.2... 6.7	1877.00	Δ 3	
6364	Kr 41	A. G. Hels. 7413	57 32	57 4	336.9	3.40	9.0... 9.4	1891.29	β 1	
6365	H 2632	O. Arg. N. 13242	57 34	47 22	358.6	16±	9 ...13	1830+	H	(See p. 1074)
6366	Σ 1713 *rej.*	DM (26°) 2420	57 41	26 26	....	Cl. IV	8 ... 8–9	....	Σ	
6367	β 929	48 *Virginis*	57 43	− 3 1	229.4	0.48	6.2... 6.2	1879.40	β 3	
6368	Σ 1712	DM (10°) 2506	57 46	10 6	336.6	8.57	9.0... 9.4	1828.77	Σ 4	
6369	Σ 1714	W^2 XII^h. 1116	57 49	24 17	311.0	3.03	8.8... 9.2	1832.60	Σ 3	
6370	H 2634	....	57 54	48 23	64.3	20±	9–10...14	1830+	H	(See p. 1074)
6371	Σ 1715	W^2 XII^h. 1121	58 9	20 2	229.7	6.82	8.6... 9.6	1831.82	Σ 4	
6372	H 1226	....	58 14	41 32	215.8	8±	10 = 10	1828+	H	
6373	Σ 1716	*Virginis* 427	58 28	9 18	151.3	2.60	8.1...10.9	1831.09	Σ 4	
6374	β 798	L 24307	58 40	−17 2	174.3	0.54	8.1... 8.5	1881.38	β 5	
6375	H 2635	....	58 43	4 19	147.1	8±	12 = 12	1830+	H	
6376	Σ 1720	Redhill 1938	58 48	83 35	334.5	1.62	8.4... 8.7	1832.78	Σ 4	*Very wh.*
6377	H 2636	....	59 15	70 42	326.8	15±	11 = 11	1830+	H	
6378	A 10	SD (4°) 3415	59 33	− 4 25	350.6	2.72	10.5...10.8	1899.36	A 2	(*A. N.* 3635)
6379	H 220	L 24330	59 34	15 22	35±	5±	8 ...18	1820+	H	
6380	Espin 125	DM (42°) 2370	59 54	42 19	119.1	2.4	8.0...10.6	1902	Es 2	(*M. N.* LXIII, 172)
6381	Ho 257	W^2 XII^h. 1157	13 0 4	26 52	155.3	1.80	8.8... 8.9	1887.28	Ho 2	
6382	H 2637	SD (20°) 3775	0 14	−20 31	262.5	90±	8 ... 8–9	1830+	H	
6383	Hu 643	O. Arg. N. 13289	0 14	51 38	203.1	0.34	9.5...10.5	1904.32	Hu 3	A and B (AC= Σ 1718)
					272.4	13.12	8.5... 9.0	1831.50	Σ 2	AB and C
6384	Hu 739	DM (21°) 2486	0 24	21 22	33.5	0.80	8.8...14.5	1902.54	Hu 1	
6385	β 1083	P XII^h. 268	0 27	29 40	237.3	0.49	11.5...11.7	1889.11	β 3	B and C
					209.6	6±	6 ...	1830+	H	A and BC
					6.0	20±	...(15)	1830+	H	A and D
6386	β 930	B. A. C. 4389	0 28	45 55	109.2	2.68	6.0...12.3	1879.28	β 3	
6387	H 2639	W^2 XII^h. 1172	0 43	41 34	165.5	20±	8–9...16	1830+	H	“A third star 13 m. more distant” (See p. 1074)
6388	Lewis 12	....	1 :	27 35:	192.3	0.43	9.0... 9.5	1899.29	L 1	
6389	β 799	Groom. 1960	1 7	73 40	238.7	0.57	6.5... 8.5	1881.34	β 5	
6390	Σ 1719	W^1 XII^h. 1027	1 13	1 14	3.1	7.24	7.3... 7.8	1830.01	Σ 3	*Very wh.: yel'sh wh.*
6391	Comstock	SD (17°) 3774	1 24	−17 21	182.6	3.27	8 ... 12	1888.38	Com 1	
6392	H 2640	DM (13°) 2634	1 36	12 56	4.1	45±	8–9... 9–10	1830+	H	
6393	OΣ 259 *rej.*	L 24394	1 54	24 39	21.3	39.26	7.6... 8.0	1867.23	Δ 3	*White*
6394	A. G. 185	DM (24°) 2542	2 17	23 56	....	....	9.2...	....	....	
6395	OΣ 260	DM (27°) 2219	2 18	27 35	111.3	0.75	7.9... 8.3	1845.75	OΣ 5	
6396	S 647	W^1 XII^h. 1053	2 19	− 2 2	213.9	43.13	8 ...13	1825.36	S 2	
6397	Σ 1721	W^1 XII^h. 1055	2 25	1 45	358.3	6.37	9.3... 9.5	1829.64	Σ 3	
6398	Σ 1722	*Comae* 179	2 30	16 8	343.9	3.55	7.8... 8.8	1829.30	Σ 3	*Yel'sh: bluish*
6399	H 2643	....	2 41	77 27	49.3	5±	11 ...12	1830+	H	
6400	Σ 1723	DM (39°) 2607	2 43	39 23	7.8	6.71	8.0... 9.3	1832.01	Σ	8.0 *yel'sh wh.*
6401	H 2642	....	2 43	49 55	179.4	8±	10 ...11	1830+	H	“Neat”
6402	H 2641	....	2 54	8 38	231.9	5±	12 ...13	1830+	H	
6403	H 2644	DM (77°) 502	3 12	76 56	76.4	30±	9–10...9–10	1830+	H	B = DM (77°) 501
6404	Hu 572	DM (22°) 2545	13 3 19	22 6	348.6	0.41	8.0... 9.0	1902.47	Hu 3	(*Bul. L. O.* No. 27)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6405	Σ 1724	*θ Virginis*	13h 3m 44s	− 4° 54′	344°0	7″07	4.0… 9.0	1830.32	Σ 3	A and B } 4.0 *wh.*
					294.9	63.88	….	1782.30	♅ 1	A and C }
6406	Σ 1728	42 *Comae*	4 10	18 10	10.9	0.57	6.0… 6.0	1827.28	Σ 1	*Yel.*
6407	Σ 1727	DM (32°) 2324	4 12	32 1	335.0	7.26	8.7…10.2	1831.29	Σ 3	
6408	H 1227	….	4 23	4 17	125±	10±	11 …13	1828+	H	
6409	β 609	W¹ XIIIh. 27	4 30	− 4 18	356.1	0.89	7.0…11.0	1878.32	β 1	
6410	β 608	17 *Canum Ven.*	4 33	39 8	284.9	1.22	5.5…10.5	1878.32	β 2	A and B }
					297.5	289.98	… 5.9	1835.69	Σ 5	A and C }
6411	β 931	*Virginis* 454	4 51	13 57	204.9	4.89	6.7…11.8	1879.25	β 4	
6412	OΣ (App) 121	Radᴵ. 2973	5 12	62 52	9.3	107.81	6.5… 9.7	1877.50	Δ 3	
6413	Σ 1729	DM (31°) 2462	5 33	31 28	274.8	8.05	8.5…10.0	1830.43	Σ 2	
6414	H 2645	53 *Virginis*	5 40	−15 33	30±	50±	….	1830+	H	
6415	OΣ 261	L 24530	6 23	32 43	359.2	0.63	6.9… 7.4	1843.80	OΣ 2	*Yel'sh*
6416	Howe 27	Lac. 5440	6 24	−28 28	292.0	2.75	7.5… 9.2	1877.41	Cin 2	
6417	Σ 1730	DM (37°) 2376	6 32	37 33	335.0	1.72	8.4…10.1	1832.52	Σ 4	8.4 *white*
6418	Hu 573	DM (23°) 2548	6 42	23 33	173.4	2.51	8.8…13.0	1902.51	Hu 2	(*Bul. L. O.* No. 27)
6419	H 1228	SD (2°) 3647	6 47	− 2 13	200±	9±	10 …12	1828+	H	
6420	OΣ 262	Radᴵ. 2977	6 51	74 36	182.5	28.04	7.3… 8.2	1847.08	OΣ 3	*Wh.: reddish*
6421	β 221	L 24532	6 54	−14 49	48.6	1.68	8.1… 9.6	1875.35	Δ 3	
6422	Sh 151	54 *Virginis*	7 3	−18 11	33.7	6.77	7 … 7½	1823.27	Sh 1	
6423	Σ 1731	L 24542	7 5	− 1 55	299.6	8.75	7.9…10.1	1831.30	Σ 6	7.9 *yel'sh wh.*
6424	H 221	….	7 8:	11 51:	195±	….	9 …14	1820+	H	
6425	S 648	W² XIIIh. 93	7 16	18 40	64.6	88.97	10 …12.5	1825.38	S 3	
6426	Σ 1732	DM (59°) 1493	7 50	59 5	128.1	26.34	8.0… 9.5	1831.59	Σ 2	8.0 *white*
6427	O. Stone 28	L 24560	7 57	−23 39	335.0	11.46	7.0…11.3	1879.37	β 1	
6428	Ho 55	L 24574	8 1	30 27	180±	0.6±	7 …11	1884.41	Ho	
6429	H 4575	O. Arg. S. 12732	8 9	−27 13	76.1	20±	9 … 9	1836.2	H	
6430	H 2647	*Virginis* 475	8 32	11 58	206.3	30±	7 …16	1830+	H	
6431	Sh 162	P XIIIh. 25	8 39	−10 43	61.7	44.85	7 … 8	1823.34	Sh 1	
6432	OΣ (App) 122	Radᴵ. 2982	8 42	57 21	210.5	115.08	7.0… 8.0	1876.43	Δ 3	
6433	β 342	O. Arg. S. 12741	8 49	−18 17	36.3	3.89	8.0… 8.6	1876.33	Δ 2	
6434	Σ 25, App. I	Radᴵ. 2985	9 23	67 55	296.7	178.77	5.9… 6.3	1835.66	Σ 6	A and B } AB *yel.:* C *wh.*
					233.5	124.90	… 7.8	1835.66	Σ 5	A and C }
6435	H 528	DM (40°) 2635	9 29	40 22	183±	8±	9 …11	1820+	H	
6436	A 11	SD (2°) 3659	9 44	− 2 28	204.7	4.33	8.5…13.0	1899.45	A 3	(*A. N.* 3635)
6437	See 174	Lac. 5467	10 15	−29 57	1.1	0.16±	8.2… 8.2	1897.40	See 1	
6438	Σ 1733	DM (18°) 2707	10 27	17 53	125.0	4.58	8.2… 9.8	1827.99	Σ 3	8.2 *white*
6439	H 2648	W¹ XIIIh. 141	10 38	−12 31	95.4	30±	8 …13	1830+	H	
6440	♅ II. 46	….	10 42:	17 42:	96.7	….	….	1782.28	♅	A and B }
					….	60±	….	1782.28	♅	A and C }
6441	A. G. 186	A. G. Alb. 4677	10 47	2 49	306.9	3.38	9.0…10.1	1903.06	M 3	
6442	β 800	*Comae* 201	10 52	17 40	121.5	1.27	7.1…10.2	1881.36	β 4	
6443	β 222	L 24636	10 55	−20 54	7.7	1.89	8.0… 9.0	1877.11	Cin 1	
6444	H 1230	….	11 1	42 40	290±	12±	11 = 11	1828+	H	"Immediately *f* M 63"
6445	H 1229	….	11 3	− 3 26	160±	15±	10 …13	1828+	H	
6446	OΣ 263	Radᴵ. 2988	11 32	51 12	133.0	2.26	7.7… 8.5	1846.83	OΣ 3	
6447	♅ VI. 90	61 *Virginis*	12 [illegible]	−17 39	345±	73.25	5 …10	1783.00	♅ 1	
6448	W. Upton 2	….	12 35	−25 55	21.5	17.10	8 … 9	1879.42	Cin 2	
6449	H 222	DM (12°) 2583	13 4	12 18	142.4	20±	9 …11	1820+	H	
6450	Hu 740	SD (10°) 3652	13 24	−11 3	271.9	3.88	7.5…13.0	1901.49	Hu 1	
6451	H 2649	DM (55°) 1590	13 29	54 58	345.4	25±	9 … 9+	1830+	H	
6452	H 529	DM (35°) 2436	13 59	35 47	120±	9±	9-10…11	1820+	H	
6453	H 223	W² XIIIh. 242	14 17	16 12	330±	35±	9 …11	1820+	H	"*Yellow: blue*
6454	Hu 644	DM (48°) 2108	14 34	48 25	99.0	0.91	8.4… 9.2	1904.32	Hu 3	
6455	Σ 1734	DM (3°) 2758	14 36	3 34	198.1	0.73	7.2… 7.9	1830.35	Σ 4	*White*
6456	H 2650	….	13 15 28	69 7	270±	3±	12 …14	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6457	....	SD (22°) 3570	13^h 15^m 36^s	−22° 13′	287°.2	5″.88	9.5... 9.7	1903.28	*β* 3	
6458	Σ 1735	DM (6°) 2733	15 44	6 27	109.2	3.84	9.5... 9.5	1829.39	Σ 2	
6459	Σ 1737	P XIII^h. 63	15 58	18 24	220.5	15.12	7.7...10.0	1829.30	Σ 3	*Wh.: ash*
6460	β 1084	W^1 XIII^h. 235	15 59	− 4 2	89.8	2.69	7.1...12.7	1889.31	*β* 3	
6461	H 225	....	16 2:	11 5:	185±	15±	12 ...13	1820+	H	A and B }
					50±	30±	...12	1820+	H	A and C }
6462	Arg. 26	O. Arg. S. 12827	16 3	−22 19	79.8	27.81	8.5... 8.5	1903.28	*β* 2	
6463	♅ IV. 57	....	16 12:	17 41:	223.5	17.08	....	1782.28	♅ 1	
6464	♅ IV. 119	W^1 XIII^h. 243	16 25	−12 33	306.9	21.82	....	1783.18	♅ 1	
6465	A 565	A. G. Camb. 6445	16 32	27 48	24.5	0.52	8.7...10.3	1903.32	A 3	(*Bul. L. O.* No. 50)
6466	Ho 258	W^2 XIII^h. 294	16 33	36 16	156.2	10±	7 ...13.5	1887.39	Ho 1	
6467	A 566	A. G. Camb. 6449	16 37	27 9	62.7	1.55	8.1...10.0	1903.32	A 3	(*Bul. L. O.* No. 50)
6468	O. Stone 29	W^2 XIII^h. 295	16 38	30 59	175.1	0.4±	7.5... 7.5	1879.30	Cin 1	
6469	Σ 1738	W^1 XIII^h. 247	16 51	−14 18	283.5	4.09	8.2... 8.3	1830.31	Σ 3	*White*
6470	Ho 259	W^2 XIII^h. 296	16 55	26 45	242.5	9.70	7 ...13	1887.37	Ho 2	
6471	Σ 1739 *rej.*	DM (31°) 2478	16 57	31 9	132.2	12.78	9.2...10	1902.18	*β* 2	
6472	H 530	W^2 XIII^h. 305	17 13	36 33	18±	27±	8 ... 9	1820+	H	
6473	β 610	*Virginis* 504	17 28	−20 18	18.3	4.02	6.8...10.5	1878.24	*β* 1	
6474	Σ 1740	DM (3°) 2765	17 33	3 20	76.3	27.29	7.1... 7.2	1833.68	Σ 6	*White*
6475	H 226	....	17 36:	14 38:	35±	6±	12 ...13	1820+	H	
6476	Ho 260	W^2 XIII^h. 223	18 0	29 51	298.8	0.62	8.3... 8.5	1887.36	Ho 2	
6477	Σ 1741	DM (−1°) 2815	18 4	− 1 29	262.3	24.88	8.2... 9.7	1828.97	Σ 3	8.2 *white*
6478	Σ 1742	W^1 XIII^h. 267	18 12	2 2	351.1	1.30	7.4... 7.9	1831.85	Σ 4	*Yel'sh wh.*
6479	β 460	W^1 XIII^h. 273	18 40	−15 0	36.4	2.19	8.2...10.5	1877.90	*Δ* 2	
6480	Σ 1745 *rej.*	DM (80°) 409	18 53:	80 3	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
6481	Σ 1743	W^1 XIII^h. 281	19 5	− 6 57	75.4	5.45	8.2... 9.6	1830.08	Σ 4	8.2 *white*
6482	Σ 1744	ζ *Ursae Majoris*	19 5	55 33	147.6	14.37	2.1... 4.2	1830.63	Σ 6	*Greenish wh.*
6483	OΣ 265 *rej.*	DM (1°) 2813	19 8	1 29	275.1	17.94	7 ...10	1851.37	Ma 1	
6484	O. Stone 30	O. Arg. S. 12867	19 43	−22 37	354.9	1.53	8.5... 8.5	1879.37	Cin 2	
6485	H 2651	....	19 48	21 53	344.0	10±	12 ...13	1830+	H	
6486	H 1231	W^2 XIII^h. 361	19 58	41 6	5±	9±	9 ...13	1828+	H	
6487	H 227	....	20 22:	11 11:	315±	60±	....	1820+	H	
6488	β 1107	O. Arg. S. 12884	20 37	−21 44	133.8	1.17	8.5... 8.5	1889.37	*β* 5	
6489	H 2652	....	20 43	57 26	254.5	12±	11 ...12	1830+	H	
6490	β 237	L 24896	20 59	15 0	202.3	2.95	8.3...10.3	1875.27	*Δ* 3	
6491	A. G. 187	A. G. Berlin 4789	21 24	21 5	121.2	1.64	9.5... 9.5	1902.47	Hu 2	
6492	H 1232	DM (7°) 2649	21 32	7 32	310±	10±	9 ... 9–10	1828+	H	H (V) 10...11
6493	Σ 1746	DM (10°) 2548	22 11	10 5	250.8	29.62	7.7...10.3	1829.64	Σ 3	7.7 *yel'sh*
6494	OΣ 266	L 24930	22 35	16 20	324.2	1.16	7.3... 7.8	1846.10	OΣ 4	
6495	Σ 1747	O. Arg. N. 13645	22 42	48 23	346.5	14.98	8.2... 9.5	1831.50	Σ 2	*White*
6496	H 2653	SD (17°) 3860	22 44	−17 26	238.6	10±	9 ...14	1830+	H	
6497	A. G. 188	DM (24°) 2588	22 59	24 12	247.5	2.88	8.8...12	1902.42	Cg 3	
6498	OΣ (App) 123	Rad^1. 3020	23 2	65 22	147.1	68.95	6.4... 6.8	1876.38	*Δ* 3	
6499	OΣ 267	Rad^1. 3028	23 9	76 36	300.8	0.25	8.0... 8.0	1849.60	OΣ 2	
6500	β 113	DM (12°) 2597	23 10	12 6	188.8	1.57	8.5...11.0	1875.32	*Δ* 4	
6501	Ho 381	*R Hydrae*	23 10	−22 39	323.2	21.15	Var...12.5	1891.63	Ho 4	
6502	Σ 1748	DM (22°) 2584	23 24	22 48	179.6	5.48	8.0...11.0	1832.31	Σ 3	8.0 *wh.*
6503	H 2654	....	23 37	−13 53	13.4	16±	10–11..11	1830+	H	
6504	Σ 1749 *rej.*	W^2 XIII^h. 436	23 39	31 42	....	Cl. III	8–9...10	....	Σ	(See p. 1075) From *Cat. Nov.*
6505	Ho 540	O. Arg. S. 10588	23 51	−23 2	197.8	13.53	7 ...12	1895.00	Ho 3	(*A. N.* 3557)
6506	H 2655	....	23 52	−22 51	277±	12±	10 ...12	1830+	H	
6507	H 2656	SD (12°) 3826	23 59	−12 19	313.4	18±	10 ...10–11	1830+	H	
6508	S 649	*Ursae Majoris* 426	24 3	60 34	111.0	181.49	6 ... 9	1824.30	S 2	
6509	Σ 1750	72 *Virginis*	24 10	− 5 51	16.1	30.06	6.2...11.5	1831.53	Σ 4	6.2 *yel'sh*
6510	Σ 1752	P XIII^h. 113	24 26	60 33	149.4	1.63	8.0...10.0	1832.17	Σ 3	8.0 *yel.*
6511	Σ 1751	DM (10°) 2553	13 24 41	9 56	58.9	5.69	7.5...10.7	1831.90	Σ 4	7.5 *yel'sh*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6512	OΣ 268 *rej.*	L 25006	$13^h 25^m 8^s$	24° 51′	77°1	19″61	....	1878.22	β 1	A and B
					259.4	67.57	7.0... 7.4	1876.07	Δ 3	A and C
6513	H 4593	O. Arg. S. 12927	25 32	−22 21	90±	20±	9 = 9	1834+	H	
6514	Σ 1754 *rej.*	DM (61°) 1359	25 37	60 58	48.7	20±	8 ...12	1830+	H	H (V). (See p. 1075)
6515	H 531	W^2 XIII^h. 481	25 41	29 34	35.8	30±	8 ...11	1820+	H	
6516	Sh 165	SD (11°) 3535, 3537	26 3	−12 3	78.8	47.72	6 ... 8	1823.39	Sh 1	
6517	Hu 469	SD (17°) 3881	26 5	−17 8	34.5	0.91	8.8... 9.1	1902.35	Hu 3	(*Bul. L. O.* No. 21)
6518	H 2658	75 *Virginis*	26 27	−14 45	110.3	90±	5 ...13	1830+	H	
6519	A. G. 189	A. G. Lund 5795	26 40	37 24	....	....	9.4...	....	....	
6520	Hn 15	L 25043	26 46	− 1 48	296.3	16.17	7.0...11.2	1881.32	β 2	
6521	Holmes	....	26 48	36 56	163.4	7.30	9.1... 9.5	1901.84	Es 2	Espin (*M. N.* LXII, 532)
6522	Σ 1755	W^2 XIII^h. 506	26 59	37 26	133.8	4.28	7.0... 7.9	1832.19	Σ 5	*Yel'sh wh.: bluish*
6523	A 567	A. G. Berlin 4813	27 7	24 58	260.3	1.42	5.8...12.5	1903.39	A 3	
6524	OΣ 269	L 25074	27 26	35 31	218.0	0.33	6.5... 7.0	1844.31	OΣ 1	
6525	Hu 470	SD (10°) 3705	27 28	−10 55	253.7	3.55	7.5...12.5	1901.48	Hu 3	(*Bul. L. O.* No. 21)
6526	Σ 1756	DM (23°) 2584	27 38	23 38	176.8	14.15	8.5... 9.0	1831.33	Σ 3	*White*
6527	Σ 1758	O. Arg. N. 13741	27 56	49 45	311.4	4.21	8.0... 8.2	1832.14	Σ 3	*White*
6528	β 114	W^1 XIII^h. 438	28 0	− 8 0	137.1	1.49	7.6... 8.0	1875.30	Δ 4	
6529	S 650	W^1 XIII^h. 444	28 9	−12 49	149.2	45.52	8½...11	1825.35	S 2	
6530	Σ 1757	P XIII^h. 127	28 9	0 18	21.0	1.54	7.8... 8.9	1831.78	Σ 7	*White*
6531	Σ 1759	DM (28°) 2238	28 9	28 4	153.7	9.78	8.5...10.2	1831.83	Σ 2	
6532	H 2659	W^2 XIII^h. 542	28 11	40 33	315±	10±	8–9...18	1830+	H	
6533	Hu 471	SD (15°) 3697	28 15	−15 13	21.0	0.71	9.0...12.2	1902.41	Hu 3	(*Bul. L. O.* No. 21)
6534	β 932	*Virginis* 550	28 18	−12 36	81.2	0.47	6.1... 6.6	1879.39	β 4	A and B
					155.2	23.82	...12.4	1879.68	β 3	AB and C
6535	Ku 45	DM (16°) 2528	28 18	15 53	291.5	0.98	9.8...10.0	1902.46	Ku 3	Kustner (3821)
6536	Σ 1760	W^2 XIII^h. 546	28 46	26 53	65.0	8.52	8.0... 8.0	1831.10	Σ 3	*White*
6537	H 2660	....	28 49	25 39	142.4	15±	10 ...12–13	1830+	H	
6538	H 1233	SD (16°) 3702	29 0	−16 14	90±	9±	10 ...13	1828+	H	
6539	Σ 1761	O. Arg. N. 13780	29 2	72 20	72.0	20.14	8.5... 9.0	1832.31	Σ 2	*White*
6540	H 1234	W^2 XIII^h. 557	29 4	39 24	40±	30±	7 ...11	1828+	H	
6541	β 933	W^2 XIII^h. 555	29 7	33 45	30.7	1.88	8.4... 8.8	1879.80	β 4	A and B
					21.8	34.48	...12.5	1879.68	β 3	A and C
6542	A 12	P XIII^h. 129	29 12	− 4 19	349.0	4.54	8.2...12.7	1899.52	A 3	(*A. N.* 3635)
6543	H 4597	Cord. DM (29°) 10452	29 14	−30 0	195.1	2½±	10 ...11	1835.2	H	
6544	H 2662	DM (33°) 2355	29 24	33 51	287.5	20±	9–10...10	1830+	H	
6545	H 228	W^1 XIII^h. 481	29 35	10 49	10±	60±	7 ... 8	1820+	H	
6546	S 651	*Hydrae* 369	30 9	−25 53	192.5	10.35	8 ... 8½	1825.34	S 2	
6547	Hu 741	DM (22°) 2604	30 16	22 0	55.8	0.26	9.5... 9.5	1902.54	Hu 1	
6548	H 4599	....	30 29	−29 20	....	....	....	1834+	H	
6549	H 2664	DM (57°) 1448	30 32	56 58	20.6	25±	10 ...11	1830+	H	
6550	H 2663	W^2 XIII^h. 585	30 35	20 36	324.5	40±	9 ...10	1830+	H	
6551	Σ 1767	O. Arg. N. 13803	30 39	68 22	353.8	4.67	8.0... 8.5	1832.13	Σ 3	*White*
6552	H 1235	....	30 41	− 1 2	245±	6±	11–12..12–13	1828+	H	
6553	H 3340	....	30 47	16 35	204.5	1±	11 ...11	1831+	H	
6554	A. G. 190	DM (50°) 2012	30 48	50 16	9.2	3.17	8.9... 9.1	1902.30	Es 4	
6555	Kr 42	A. G. Hels. 7633	31 8	60 32	217.4	3.81	9.5... 9.6	1891.29	β 1	
6556	Σ 1762	W^1 XIII^h. 502	31 14	−10 11	283.6	4.65	8.7... 9.3	1830.30	Σ 5	*White*
6557	β 611	L 25159	31 15	−14 7	259.4	4.63	8.5...12.0	1878.35	β 2	
6558	Σ 1763	81 *Virginis*	31 18	− 7 16	39.0	2.68	7.5... 7.5	1830.34	Σ 4	*Very wh.*
6559	See 186	Lac. 5620	31 38	−29 14	196.8	0.20	8 ... 8	1897.49	See 1	(*A. J.* 431)
6560	Σ 1764	W^1 XIII^h. 515	31 38	3 0	31.7	16.02	7.0... 8.7	1832.32	Σ 3	*Yel.: ash*
6561	Σ 1766	W^2 XIII^h. 604	31 43	30 42	67.9	19.95	8.3... 9.3	1831.39	Σ 3	
6562	H 1237	....	31 45	− 0 58	10±	4±	11 ...13	1828+	H	
6563	Σ 1765 *rej.*	DM (3°) 2801	31 46	2 58	163.5	39.20	9.5... 9.5	1904.05	β 2	
6564	H 2665	SD (18°) 3649	13 32 1	−18 50	128.4	18±	8 ...12	1830+	H	9.3 m. in SD

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6565	H 2666	SD (14°) 3763	$13^h\ 32^m\ 2^s$	−14°13′	176°.7	8″ ±	9 ...15	1830+	H	"Difficult"
6566	Σ 1768	25 *Canum Ven.*	32 7	36 54	76.0	1.07	5.7... 7.6	1831.51	Σ 10	*Wh.: blue*
6567	A 80	SD (8°) 3604	32 12	− 8 32	359.6	4.32	8.6...13.2	1900.38	A 2	(*A. N.* 3668)
6568	H 3341	W² XIII^h. 615	32 14	28 56	190.0	1½ ±	10 = 10	1831.50	H	
6569	H.C.Wilson 11	Cord. 13^h. 1924	32 17	−30 8	80±	2±	8 ... 8.3	1883.33	W	
6570	H 2667	....	32 49	48 52	6.6	8±	11 = 11	1830+	H	
6571	Σ 1769	DM (39°) 2663	32 50	39 47	24.1	2.84	7.3... 9.7	1832.28	Σ 3	A and B } 7.3 *yel'sh:*
					259.0	55.90	... 8.2	1832.28	Σ 3	A and C } 8.2 *wh.*
6572	β 934	DM (51°) 1855	32 50	51 4	264.1	1.04	9.0... 9.2	1879.28	β 3	
6573	Σ 1770	P XIII^h. 156	32 55	51 20	121.0	1.79	6.4... 7.9	1831.80	Σ 4	*Yel.: ash*
6574	H 533	DM (20°) 2854	32 58	20 2	285±	8±	9 ...10	1820+	H	
6575	H 1236	....	33 7	− 4 0	95±	6±	10–11..13–14	1828+	H	
6576	Hu 645	DM (22°) 2612	33 14	22 4	21.2	0.88	9.5... 9.5	1902.54	Hu 1	
6577	Σ 1771	DM (70°) 748	33 32	70 23	70.6	1.72	7.8... 8.5	1831.09	Σ 3	
6578	β 612	B. A. C. 4559	33 40	11 21	56.1	0.23	6.0... 6.0	1878.33	β 3	
6579	Egbert 2	....	34 :	−14 26:	349.3	11.70	9.0...10.0	1879.30	Cin 1	
6580	A. G. 191	A. G. Lund 5841	34 2	36 13	304.9	16.10	9.4... 9.5	1903.12	β 2	
6581	Ho 382	Cord. G. C. 18590	34 4	−27 38	329.0	14.45	8 ...12	1891.39	Ho 1	A and B }
					282.8	15±	...11	1834+	H	A and C }
6582	H 1238	....	34 16	7 45	300±	10±	10 ...10–11	1828+	H	
6583	H 2668	....	34 20	8 1	282.4	4±	12 = 12	1830+	H	"Neat"
6584	H 4605	O. Arg. S. 13046	34 28	−29 18	281±	15±	9 ...11	1835.2	H	
6585	H 4606	L 25240	34 53	−22 51	350.8	30±	7 ...11	1836.2	H	
6586	Σ 1772	1 *Bootis*	34 57	20 34	148.7	4.83	6.2... 9.1	1831.57	Σ 5	*Bluish wh.: very blue*
6587	H 2670	....	35 6	33 29	343.2	20±	10 ...13	1830+	H	
6588	H 2669	SD (13°) 3749	35 23	−13 42	87.2	20±	10 ...11	1830+	H	
6589	Σ 1774 *rej.*	DM (51°) 1859	35 39	51 7	134.2	17.93	6.7...10	1879.26	β 1	
6590	Σ 1773	DM (8°) 2747	35 39	8 13	209.8	27.90	9.0... 9.0	1828.83	Σ 2	A and B }
					102.4	57.06	... 9.5	1828.83	Σ 2	A and C }
6591	H 229	....	36 0:	12 35:	45±	15±	12 ...13	1820+	H	
6592	....	SD (14°) 3783	36 28	−14 26	0.5	15.43	8.5...13.5	1901.35	β 1	
6593	H 1239	W¹ XIII^h. 602	36 30	− 4 41	320±	15±	9 ...10	1828+	H	
6594	H 2673	DM (60°) 1480, 1481	36 32	60 21	74.1	40±	9 ... 9+	1830+	H	
6595	H 2671	L 25285	36 37	−24 22	75.8	25±	9 ... 9–10	1830+	H	
6596	H 2672	....	36 37	23 44	319±	14±	10–11..11	1830+	H	
6597	Σ 1776	O. Arg. N. 13893	36 51	46 50	200.2	7.33	8.0... 8.0	1832.09	Σ 3	*White*
6598	Hu 472	SD (16°) 3732	37 1	−16 26	65.0	1.11	9.1... 9.4	1902.41	Hu 3	(*Bul. L. O.* No. 21)
6599	Σ 1777	84 *Virginis*	37 3	4 9	235.4	3.39	5.8... 8.2	1828.77	Σ 5	*Yel.: very blue*
6600	H 230	....	37 15:	18 22:	140±	15±	10 ...11	1820+	H	
6601	Σ 1775	P XIII^h. 171	37 17	− 3 40	335.7	27.75	7.0... 9.7	1829.35	Σ 2	7.0 *yel'sh*
6602	Σ 1778 *rej.*	DM (32°) 2378	37 49	32 37	199.9	25±	9–10...12	1830+	H	H (V). (See p. 1075)
6603	H 2675	....	38 5	47 46	294.6	4±	13 ...13–14	1830+	H	"Neat little double star"
6604	H 2676	O. Arg. N. 13909	38 12	50 38	125.7	40±	8–9...10	1830+	H	
6605	H 2674	SD (19°) 3729	38 28	−19 19	4.6	25±	9 ... 9+	1830+	H	
6606	H 1240	....	38 33	8 8	285±	6±	11 ...12–13	1828+	H	
6607	Σ 3081	SD (11°) 3584	38 46	−11 14	76.3	1.97	8.8... 9.2	1830.62	Σ 3	
6608	H 851	*Schj.* 4904	38 55	8 58	360±	12±	8 ...13	1820+	H	
6609	Σ 1779	DM (24°) 2629	38 56	24 16	147.0	3.82	8.5... 9.8	1832.36	Σ 5	
6610	β 223	L 25350	38 58	− 2 43	343.7	18.73	7.9...11.1	1871.65	Δ 3	
6611	S 652	L 25348	38 59	− 9 55	146.8	53.87	9 ... 9+	1825.35	S 2	
6612	H 2677	85 *Virginis*	39 7	−15 10	317.8	35±	6 ...15	1830+	H	
6613	Hu 473	SD (17°) 3924	39 18	−17 57	59.8	3.11	9.0... 9.3	1902.41	Hu 3	(*Bul. L. O.* No. 21)
6614	Wn 5	L 25358	39 20	− 2 25	164.8	4.68	9.5... 9.5	1855.30	Wn 2	
6615	Σ 1782	DM (19°) 2710	39 22	18 58	185.8	29.83	7.7... 9.2	1828.30	Σ 2	7.7 *wh.*
6616	β 115	L 25365	13 39 24	9 40	224.4	1.42	8.0...11.5	1877.40	Δ 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6617	H 2682	O. Arg. N. 13954	13^h 39^m 29^s	77° 27′	280°.2	18″±	8 ...10	1830+	H	A and B }
					317.4	50±	...10	1830+	H	A and C }
6618	β 935	86 *Virginis*	39 33	−11 49	298.4	1.61	5.5...10.5	1879.37	β 5	A and B }
					274.2	1.72	11.6...12.8	1879.40	β 4	C and D }
					164.7	26.94	....	1879.33	β 2	A and C }
6619	Σ 1781	DM (5°) 2794	40 6	5 43	240.4	1.36	7.8... 8.2	1830.31	Σ 3	*Yel'sh wh.*
6620	H 2678	....	40 8	12 54	131.1	12±	11 ...13	1830+	H	
6621	H 231	....	40 24:	12 14:	75±	15–20	11 ...12	1820+	H	
6622	H 4613	Cord. DM (29°) 10591	40 27	−29 46	220±	15±	9½... 9½	1834.3	H	
6623	H 2679	....	40 32	58 3	316.1	3±	11–12..11–12	1830+	H	
6624	Ho 383	SD (22°) 3660	40 33	−22 53	163.7	15.45	8.1...13	1890.38	Ho 1	
6625	β 801	L 25399	40 43	11 26	328.0	2.76	8.1...10.9	1881.31	β 3	
6626	Σ 1783	*Canum Ven.* 202	40 56	41 38	50.4	2.10	7.8...10.0	1832.71	Σ 5	*Very yel.: blue*
6627	H 2685	DM (69°) 715	41 14	69 18	242.4	12±	10 ...11	1830+	H	9.5 in DM
6628	H 2680	DM (46°) 1900	41 16	46 0	161.7	25±	9–10...11	1830+	H	
6629	H 2681	....	41 28	33 43	84.5	6±	12 = 12	1830+	H	
6630	OΣ 270	τ *Bootis*	41 35	18 3	347.8	10.26	4.8...11.4	1849.54	OΣ 5	
6631	H 1241	W^1 XIII^h. 965	41 43	− 2 34	145±	15±	9 ...12	1828+	H	
6632	S 654	W^2 XIII^h. 856	41 49	39 9	237.8	70.84	8 ...11	1825.36	S 2	
6633	Σ 1787	Redhill 2064	42 7	81 47	332.3	1.68	8.5...10.8	1833.57	Σ 3	
6634	Σ 1784	DM (69°) 716	42 12	69 49	207.1	8.66	8.2...10.5	1832.48	Σ 3	8.2 *yel.*
6635	β 413	Lac. 5686	42 16	−27 46	108.8	78.00	6.2... 8.5	1879.33	β 1	
6636	A 13	SD (4°) 3562	42 17	− 4 50	152.3	1.13	8.5... 9.7	1899.54	A 3	(*A. N.* 3635)
6637	H 2683	....	42 18	−16 9	24.8	10±	11 ...11–12	1830+	H	
6638	H 2684	....	42 19	−16 12	233.3	18±	11 ...11+	1830+	H	"A third *np*"
6639	H 2686	DM (7°) 2700	43 10	7 6	142.0	18±	9 ...15	1830+	H	
6640	H 1242	....	43 25	6 0	125±	7±	11 ...12	1828+	H	"Very neat"
6641	Σ 1785	DM (27°) 2296	43 38	27 35	164.4	3.49	7.2... 7.5	1830.12	Σ 3	*White*
6642	β 802	DM (49°) 2245	43 48	48 57	223.9	3.43	7.8...11.0	1881.33	β 3	
6643	H 4617	O. Arg. S. 13176	43 54	−29 17	255±	4±	8 ...12	1835.2	H	
6644	H 852	....	44 21	34 35	....	8±	10 ...11	1820+	H	
6645	Σ 1786	DM (35°) 2489	44 22	35 35	22.3	10.67	8.0... 9.5	1831.71	Σ 3	8.0 *wh.*
6646	S 655	W^2 XIII^h. 923	44 39	18 24	76.0	35.05	9 ...11	1825.37	S 2	
6647	S 656	P XIII^h. 220	44 40	21 51	208.2	86.03	7 ... 8	1825.20	S 2	
6648	H VI. 15	....	45 :	21 52:	*np*	60±	....	1780.48	H	
6649	β 343	*Centauri* 219	45 8	−31 1	130.2	1.44	6.0... 8.5	1877.41	Cin 1	
6650	H 1243	SD (5°) 3767	45 9	− 5 27	150±	....	....	1828+	H	
6651	H 2689	DM (58°) 1470	45 11	58 44	310.3	20±	10 = 10	1830+	H	
6652	H 2687	SD (19°) 3757	45 23	−19 19	311.8	15±	10 = 10	1830+	H	
6653	See 189	Cord. G. C. 18843	45 26	−30 11	256.2	13.33	7.8...12.8	1897.46	See 1	
6654	H 2688	DM (24°) 2650	45 28	24 22	269.2	12±	10 ...11	1830+	H	
6655	Doo —	....	46 :	− 0 54:	72.9	9.73	6.0... 6.5	1899.39	Doo 1	
6656	β 613	DM (35°) 2494	46 3	35 16	146.2	0.78	9.0... 9.0	1878.42	β 1	A and B }
					83.4	49.21	... 8.8	1880.37	β 1	AB and C }
6657	Howe 28	B. A. C. 4631	46 32	−35 4	84.0	1.28	6.0... 6.0	1889.38	β 3	A and B }
					168.2	27.52	...12	1889.38	β 1	A and C }
					....	54.02	....	1783.08	H 1	A and D }
6658	A 568	A. G. Camb. 6626	46 55	26 20	320.4	2.05	9.0... 9.6	1903.32	A 3	(*Bul. L. O.* No. 50)
6659	See 190	Cord. 13^h. 2864	46 58	−29 41	222.7	7.13	7.1...11	1897.49	See 1	A and B }
					144.1	32.03	...13.2	1897.49	See 1	A and C }
6660	H 2690	DM (5°) 2807	47 14	5 49	103.3	23±	9–10...10	1830+	H	
6661	Skinner 7	SD (14°) 3825	47 41	−14 32	294.7	2.44	8.5...	1900.28	Boe 2	
6662	H 3342	10 *Draconis*	47 56	65 19	23.0	45±	4 ...16	1831+	H	
6663	β 614	L 25573	48 2	10 44	268.3	0.60	8.0...11.7	1878.37	β 2	
6664	OΣ (App) 127	Rad^1. 3109	48 3	68 55	66.2	74.11	6.3... 8.2	1876.38	Δ 3	
6665	H 1244	W^2 XIII^h. 1032	13 48 20	42 47	150±	6±	7–8...17–18	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6666	**H 2691**	....	13^{h} 48^{m} 24^{s}	−14° 7′	109°.0	8″ ±	11 ...14–15	1830+	H	
6667	**Ku 47**	DM (32°) 2404	48 40	32 44	100.2	1.90	9.5...10.2	1901.37	Ku 2	Kustner (3821)
6668	**Σ 1788**	P XIII^{h}. 238	48 41	− 7 28	54.0	2.36	6.7... 7.9	1831.38	Σ 5	*White*
6669	**Σ 1789**	W^{2} XIII^{h}. 1041	48 44	33 25	326.0	6.08	8.0... 8.2	1831.32	Σ 3	*Very wh.*
6670	**Sh 169**	*η Bootis*	48 58	19 0	119.5	126.20	4 ...12	1822.66	Sh 2	
6671	**OΣ 272**	P XIII^{h}. 242	49 1	30 30	23.5	1.89	7.0... 9.9	1849.56	OΣ 4	*7.2 white*
6672	**Ho 261**	W^{1} XIII^{h}. 816	49 11	− 8 56	182.2	6.57	7.5...12.0	1887.39	Ho 1	
6673	**Ħ N. 59**	O. Arg. S. 13248	49 14	24 56	....	....	....	1788	Ħ	
6674	**Σ 1790**	L 25620	49 52	− 4 2	240.8	5.33	8.6... 8.7	1830.07	Σ 4	*White*
6675	**See 193**	Lac. 5764	50 5	−27 4	163.7	6.72	7.9...14.7	1897.46	See 1	
6676	**OΣ 273**	L 25634	50 19	5 53	106.1	0.74	7.5... 8.0	1845.99	OΣ 3	
6677	**See 194**	O. Arg. S. 13258	50 20	−26 56	314.1	0.58	8 ... 9	1897.46	See 1	
6678	**β 461**	W^{1} XIII^{h}. 850	50 36	3 34	334.9	33.33	7.5...12.5	1879.38	β 1	A and B
					216.3	40.55	...11.8	1879.38	β 1	A and C
6679	**H 4637**	SD (11°) 3640	50 45	−11 58	124.6	15±	9=9	1836.4	H	
6680	**Σ 1791**	DM (15°) 2646	51 1	15 1	159.8	20.46	8.7... 9.5	1829.28	Σ 3	8.7 *wh.*
6681	**β 936**	DM (35°) 2505	51 3	35 13	97.8	3.94	8.4...12.2	1880.37	β 2	
6682	**H. C. Wilson 12**	SD (16°) 3770	51 10	−16 42	321.9	3.13	8.7... 9.7	1884.39	W 2	A and B
					220.0	25±	9 ...11	1830+	H	A and C
6683	**Σ 1792**	DM (13°) 2731	51 12	13 2	294.9	1.91	8.9...10.1	1825.81	Σ 4	
6684	**H 223**	....	51 23:	12 28:	315±	15–20	10=10	1820+	H	
6685	**H 535**	DM (35°) 2508	51 33	35 47	160±	20±	8 ...12	1820+	H	(See p. 1075)
6686	**H 536**	....	51 42	36 19	310±	6±	11 ...13	1820+	H	
6687	**β 937**	W^{2} XIII^{h}. 1122	51 52	35 1	104.8	0.94	8.1... 8.3	1880.37	β 3	
6688	**β 344**	O. Arg. S. 13285	52 22	−24 57	121.1	3.32	9.0... 9.0	1877.29	Cin 1	
6689	**H 2693**	O. Arg. S. 13287	52 23	−19 28	272.0	15±	9 ...13	1830+	H	
6690	**β 30**	DM (20°) 2904	52 26	20 3	199.8	7.82	8.2...11.5	1875.25	*Δ* 2	
6691	**H 2694**	O. Arg. N. 14115	52 31	54 29	84.4	35±	8 ...11	1830+	H	(See p. 1075)
6692	**H 4639**	Cord. DM (28°) 10364	53 31	−28 41	342.4	6±	9½...10	1834.3	H	
6693	**Σ 1793**	*Bootis* 51	53 35	26 24	242.3	4.39	7.0... 8.0	1831.08	Σ 3	*Wh.: bluish*
6694	**H 2695**	DM (58°) 1479	53 43	58 2	204.0	7±	9 ...11–12	1830+	H	"Neat"
6695	**Σ 1794**	DM (20°) 2907	54 8	20 28	129.8	2.05	8.5... 8.7	1830.65	Σ 3	*Yel'sh*
6696	**Σ 1795**	P XIII^{h}. 277	54 31	53 41	3.2	7.61	7.0...10.2	1832.13	Σ 3	*7.0 very wh.*
6697	**H 4640**	L 25730	54 50	− 9 48	134.3	4±	9=9	1836.4	H	
6698	**H 2696**	SD (13°) 3806	54 53	−13 34	108.0	15±	9–10...12	1830+	H	
6699	**Σ 1796**	DM (37°) 2483	55 16	37 33	196.2	2.45	8.5...10.0	1832.33	Σ 3	
6700	**Σ 1798**	O. Arg. N. 14191	55 17	78 59	16.3	7.13	7.5... 9.3	1832.48	Σ 3	7.5 *yel'sh wh.*
6701	**Sh 171**	*τ Virginis*	55 33	2 8	290.0	79.29	4 ... 9	1823.27	Sh 1	
6702	**A 569**	A. G. Camb. 6688	55 41	25 56	103.1	0.50	9.0... 9.3	1903.41	A 3	(*Bul. L. O.* No. 50)
6703	**β 1197**	Lac. 5791	56 4	−31 6	178.9	0.86	6.8... 8.1	1890.41	β 3	
6704	**H 2697**	....	56 14	46 59	290.8	30±	9 ...10–11	1830+	H	
6705	**Σ 1797**	DM (20°) 2911	56 18	20 1	160.0	21.13	8.2... 8.5	1828.30	Σ 2	*White*
6706	**H 2698**	SD (17°) 3989	57 2	−17 51	281.8	20±	9–10...14–15	1830+	H	
6707	**H 2699**	DM (12°) 2648	57 12	12 29	38.8	12±	8 ...15	1830+	H	
6708	**Howe 29**	DM (6°) 2824	57 22	6 32	67.0	1±	8.5...	1879.37	Cin 1	A and B
					193.2	14.11	...11.0	1879.38	Cin 2	A and C
6709	**A. G. 192**	A. G. Alb. 4860	57 39	3 17	186.8	1.82	9.0...10.0	1902.75	Cg 3	
6710	**Swift**	DM (47°) 2112	57 40	46 55	6.7	2.44	9.0... 9.0	1889.39	β 2	
6711	**β 1270**	L 25825	57 46	9 4	329.7	0.27	8.2... 8.3	1892.27	β 3	
6712	**Σ 1800** *rej.*	DM (57°) 1478	57 57	57 48	21.0	25±	9 ...10–11	1830+	H	(See p. 1075) H (V). 7.6 in DM
6713	**Σ 1799**	W^{1} XIII^{h}. 1000	58 32	− 5 59	293.0	4.03	8.0... 9.2	1830.66	Σ 3	*Wh.: bluish*
6714	**S 659**	SD (17°) 4002	59 3	−17 30	169.4	32.03	9 ...11–12	1825.44	S 3	
6715	**Hu 646**	DM (35°) 2521	59 21	35 0	24.8	1.94	7.4...14.0	1903.75	Hu 2	
6716	**Σ 1801**	DM (6°) 2833	59 27	6 32	64.5	18.44	9.0...10.5	1828.33	Σ 3	
6717	**β 938**	O. Arg. S. 13375	59 29	−26 0	297.6	0.89	7.5... 7.5	1879.39	β 2	
6718	**Howe 30**	SD (12°) 3958	13 59 30	−12 30	6.4	13.41	8.0... 9.0	1879.30	Cin 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6719	H 4650	Cord. DM (28°) 10443	14^h 0^m 5^s	−28° 37′	62°.4	10″ ±	8½ … 11	1834.3	H	A and B
					34.0	25 ±	… 11.0	1884.31	W 1	A and C
					319.6	40 ±	… 11.0	1884.31	W 1	A and D
6720	H 1245	....	0 18	−16 35	260?	12 ±	12 … 13	1828+	H	
6721	H 2700	W^2 XIII^h. 1317	0 48	40 33	217.0	18 ±	8 … 13	1830+	H	
6722	See 197	Cord. 14^h. 52	1 2	−26 46	36.0	0.26	8.8 … 8.8	1897.46	See 1	
6723	Σ 1803	DM (39°) 2720	1 24	38 59	43.3	17.77	7.7 … 9.5	1831.46	Σ 2	*7.7 white*
6724	OΣ 274	L 25926	1 31	35 21	71.2	14.80	7.0 … 10.0	1845.67	OΣ 3	
6725	Σ 1802	W^1 XIII^h. 1060	1 35	−12 21	285.5	4.22	8.0 … 9.3	1830.63	Σ 3	*Yel'sh: ashy*
6726	H 1246	W^1 XIII^h. 1078	2 8	0 47	100 ±	20 ±	9 … 12	1828+	H	
6727	Hn 16	L 25923	2 9	− 2 58	218.3	3.09	8.4 … 8.6	1881.44	β 3	
6728	A 346	A. G. Camb. 6723	2 20	25 18	337.4	0.62	8.6 … 9.6	1902.56	A 2	(*Bul. L. O.* No. 29)
6729	Σ 1804	*Bootis* 76	2 39	21 46	18.3	4.37	8.0 … 9.0	1829.62	Σ 3	*White: blue*
6730	H 2701	DM (6°) 2840	2 39	6 36	....	15 ±	9 … 10	1830+	H	
6731	OΣ 276	L 25959	3 6	37 19	196.1	0.58	7.5 … 8.3	1845.65	OΣ 3	A and B
					73.4	9.50	… 10.0	1846.33	OΣ 2	AB and C
6732	OΣ 275	L 25946	3 14	7 57	351.2	5.02	6.8 … 10.3	1845.99	OΣ 3	7.0 *yel'sh*
6733	β 1109	DM (5°) 2846	3 18	5 14	321.9	1.78	9.0 … 13.7	1889.39	β 3	A and B
					356.3	53.04	… 9.0	1889.39	β 3	A and C
6734	See 199	Lac. 5838	3 26	−29 31	226.0	8.43	7.4 … 13.8	1897.42	See 2	
6735	Hu 742	DM (34°) 2494	3 32	34 15	174.7	0.37	8.5 … 12.0	1904.35	Hu 1	
6736	H VI. 112	13 *Bootis*	3 48	50 1	82.6	77.97	....	1783.63	H 1	
6737	Σ 1805	W^1 XIV^h. 28	3 55	4 35	30.5	4.54	8.4 … 8.5	1832.38	Σ 4	*White*
6738	Σ 1806	DM (49°) 2274	4 13	49 4	173.5	13.19	9.0 … 10.0	1831.76	Σ 3	
6739	Σ 1809	DM (46°) 1935	4 14	46 42	196.7	4.14	8.5 … 11.7	1832.14	Σ 3	
6740	Hn 17	DM (−1°) 2914	4 16	− 2 7	243.6	4.33	8.8 … 9.5	1881.37	β 3	
6741	H 539	DM (34°) 2498	4 17	34 47	360 ±	20 ±	10 … 10+	1820+	H	
6742	Skinner 8	SD (14°) 3891	4 19	−14 14	325.5	13.17	9.0 …	1900.39	Boe 2	Boeger (*A. J.* 522)
6743	See 200	Lac. 5842	4 22	−29 13	97.8	9.27	7.2 … 12.3	1897.53	See 1	
6744	H 540	W^2 XIV^h. 52	4 26	36 23	220 ±	6 ±	10 … 10+	1820+	H	
6745	H 2703	DM (71°) 677	4 26	71 31	42.6	6 ±	9–10 … 10	1830+	H	
6746	Σ 1808	W^2 XIV^h. 60	4 44	27 10	68.8	2.82	8.0 … 9.0	1832.31	Σ 3	*White*
6747	β 803	L 25991	4 46	− 2 6	227.9	5.27	7.8 … 12.0	1881.45	β 1	
6748	Σ 1807	SD (2°) 3800	5 6	− 2 46	25.8	7.08	7.5 … 8.0	1831.01	Σ 3	*Yel'sh wh.*
6749	H 4661	O. Arg. S. 13452	5 8	−28 20	49.0	2 ±	10 = 10	1834.3	H	
6750	H 2702	....	5 32	−17 11	337.0	6 ±	11 … 13	1830+	H	
6751	H 1247	....	5 50	41 41	120?	4 ±	10 … 11	1828+	H	"? estimated pos." (See p. 1075)
6752	Σ 1810	DM (28°) 2297	6 11	28 36	173.8	1.81	8.4 … 9.0	1832.40	Σ 4	*White*
6753	H 3343	B. A. C. 4713	6 12	2 58	213.7	40 ±	6 … 12	1831+	H	
6754	Σ 1814	O. Arg. N. 14363	6 39	50 49	256.2	11.03	8.5 … 9.0	1831.54	Σ 2	*White*
6755	H 234	....	6 39	14 8	339.6	3 ±	11 … 12	1820+	H	From H(V)
6756	H 541	....	6 39	−10 22	315 ±	....	....	1820+	H	
6757	Hu 474	SD (17°) 4033	6 57	−17 45	18.0	0.34	9.4 … 9.4	1902.41	Hu 3	(*Bul. L. O.* No. 21)
6758	OΣ 277	L 26063	7 6	29 17	333.7	0.42	7.8 … 8.0	1845.85	OΣ 4	A and B (AC = Σ 1812)
					108.2	14.19	… 9.3	1832.37	Σ 3	AB and C
6759	Σ 1811 *rej.*	SD (8°) 3724	7 7	− 8 26	320 ±	30 ±	8.5 … 10	1831+	H	
6760	H 542	....	7 16	37 20	55 ±	12 ±	12 = 12	1820+	H	
6761	Ho 57	L 26079	7 21	42 59	206.8	1.83	8.0 … 13	1883.49	Ho 2	
6762	Σ 1813	L 26057	7 24	5 58	191.0	4.76	8.0 … 8.1	1829.81	Σ 4	*White*
6763	OΣ 280	O. Arg. N. 14377	7 25	60 58	20.5	7.20	7.0 … 11.2	1848.61	OΣ 3	7.0 *golden*
6764	OΣ 278	Rad^1. 3155	7 31	44 45	146.0	0.41	7.5 … 7.7	1846.03	OΣ 3	*White*
6765	H 4664	O. Arg. S. 13477	7 34	−28 41	18 ±	20 ±	9½ … 9¾	1834.3	H	
6766	β 224	W^1 XIV^h. 95	7 38	13 8	71.0	0.71	8.9 … 9.3	1875.64	Δ 3	
6767	H 2704	DM (32°) 2445	7 45	32 9	346.8	20 ±	9 … 13	1830+	H	(See p. 1075) 8.4m. in DM
6768	β 939	L 26065	14 7 48	− 7 57	156.1	0.65	8.0 … 8.1	1879.92	β 2	A and B
					280.9	87.25	… 9.0	1879.37	β 1	AB and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer		Notes
6769	Σ 1815	O. Arg. N. 14379	14^h 7^m 56^s	45°46′	153°0	8″84	8.5... 9.7	1831.54	Σ	2	
6770	OΣ 279	P XIV^h. 20	8 0	12 34	248.4	2.28	6.8... 9.0	1845.68	OΣ	3	6.8 *yel.*
6771	Σ 1822 *rej.*	DM (73°) 619	8 13	73 24	....	Cl. IV	8 ...10	....	Σ		
6772	Σ 1816	B. A. C. 4723	8 36	29 40	80.1	1.87	7.0... 7.1	1831.33	Σ	5	*Yel'sh*
6773	Σ 1817	*Bootis* 107	8 49	27 15	7.0	1.55	8.0... 8.6	1832.16	Σ	5	*White*
[illegible]	[illegible] 58	W^2 XIV^h. 162	8 56	41 45	226.5	3.82	7.5...11.7	1884.12	Ho	3	
[illegible]	[illegible]3	....	9 4	34 45	230±	4±	13 ...13	1820+	H		
[illegible]	[illegible]	DM (56°) 1718	9 5	55 53	46.7	2.40	8.2... 8.5	1831.95	Σ	3	*Yel'sh*
[illegible]	[illegible]	DM (34°) 2507	9 8	34 29	327.1	5.48	8.2... 9.7	1832.03	Σ	3	8.2 *yel'sh wh.*
[illegible]	[illegible]	κ *Bootis*	9 11	52 21	237.7	12.60	5.1... 7.2	1832.50	Σ	7	*Greenish: bluish*
[illegible]	[illegible]6	DM (77°) 530	9 16	77 49	67.5	5±	10–11..11–12	1830+	H		
[illegible]	[illegible]	W^1 XIV^h. 125	9 18	3 41	84.9	0.98	7.9... 8.0	1830.39	Σ	4	*Yel'sh*
[illegible]	[illegible]	SD (6°) 3957	9 41	− 6 30	58.6	0.49	8.7... 8.8	1900.31	Hu	3	(*A. J.* 485)
[illegible]	[illegible]	Cord. G. C. 19325	9 50	−29 25	109.1	0.91	7.8... 8.4	1897.46	See	1	
[illegible]	[illegible]	W^1 XIV^h. 137	9 57	10 52	156.1	3.35	8.5... 9.5	1830.00	Σ	3	*White*
[illegible]	[illegible]	....	9 58	7 54	340±	2±	16 ...16–17	1828+	H		
[illegible]	[illegible]	DM (6°) 2863	10 21	6 38	282.6	5.32	8.0...10.0	1829.98	Σ	3	8.0 *white*
67[illegible]	♅ N. I	....	10 22	2 19	....	III–IV	....	1784	♅		
6787	H 1249	O. Arg. S. 13508	10 25	−15 53	155±	5±	9 ...12	1828+	H		
6788	Σ 1827	O. Arg. N. 14419	10 32	59 48	210.9	11.16	8.5... 9.0	1833.03	Σ	2	*White*
6789	Σ 1826	O. Arg. N. 14418	10 39	47 32	315.1	4.43	8.2... 9.2	1832.11	Σ	3	8.2 *wh.*
6790	Howe 31	Cord. DM (27°) 9732	10 39	−27 16	74.6	6.26	8.5... 8.5	1877.38	Cin	1	
6791	Howe 32	DM (24°) 2709	10 45	23 55	193.7	5.42	8.5...10.5	1879.35	Cin	1	
6792	Hu 139	SD (10°) 3865	10 46	−11 6	119.1	0.90	9.2... 9.4	1900.34	Hu	3	(*A. J.* 485)
6793	Hu 475	SD (17°) 4057	10 47	−17 12	123.8	4.45	8.8...12.8	1902.41	Hu	3	(*Bul. L. O.* No. 21)
6794	H 1250	DM (1°) 2908	10 59	1 37	12±	15±	9–10...10	1828+	H		
6795	Σ 1825	*Bootis* 121	10 59	20 41	185.7	3.45	6.8... 8.5	1830.66	Σ	3	6.8 *wh.*
6796	....	DM (24°) 2711	11 6	24 2	78.9	3.41	8.5...10.0	1902.18	β	2	
6797	Σ 1829	DM (51°) 1903	11 6	51 0	150.3	5.30	7.7... 8.2	1831.11	Σ	3	*White*
6798	Howe 33	O. Arg. S. 13520	11 18	−26 58	120.0	3.20	8.0... 8.0	1877.24	Cin	2	
6799	Σ 1828	W^2 XIV^h. 216	11 30	24 45	160.1	1.94	9.2... 9.2	1833.12	Σ	3	
6800	H 4670	Cord. DM (25°) 10264	11 31	−25 39	26.6	12±	9 ...12	1834+	H		(See p. 1076) 8.6 in Cord. DM
6801	Σ 1830	DM (57°) 1496	11 52	57 13	264.0	4.84	8.5... 9.8	1830.89	Σ	3	8.5 *yel'sh*
6802	Σ 26, App. I	ι *Bootis*	11 56	51 55	33.2	38.05	4.9... 7.5	1836.22	Σ	4	*Yel'sh wh.: wh.*
6803	β 1246	B. A. C. 4740	12 12	−25 16	187.1	2.99	5.5...13.3	1891.43	β	3	A and B
					88.8	36.35	...11.0	1891.42	β	1	A and C
6804	Σ 1831	O. Arg. N. 14439	12 17	57 16	142.8	6.01	6.3... 9.0	1830.89	Σ	3	*Very wh.: ash*
6805	β 1110	Cord. G. C. 19369	12 29	−36 18	130.7	3.95	7.0...12.3	1889.39	β	3	
6806	H 2707	....	12 40	−12 52	139.4	5±	13 ...13	1830+	H		"Near λ Virginis"
6807	A 147	A. G. Harvard 4486	12 46	51 33	106.6	0.48	8.5... 9.8	1901.32	A	3	
6808	Hn 18	L 26172	12 48	−17 58	357.9	3.58	7.6...11.0	1881.38	β	3	
6809	H 544	DM (29°) 2523	12 49	28 56	320±	4±	10 ...12	1820+	H		
6810	Σ 1832	DM (4°) 2848	12 51	4 27	118.3	0.44	9.0... 9.0	1830.28	Σ	3	A and B
					65.5	12±	...(14)	1828+	H		AB and C
6811	β 116	L 26177	13 3	−13 9	279.0	2.90	7.7... 8.2	1875.69	*Δ*	3	
6812	β 1271	Rad^1. 3181	13 4	55 6	355.2	2.81	6.8...12.0	1892.36	β	3	
6813	β 1272	O. Arg. N. 14451	13 22	49 18	132.5	1.25	8.4... 9.5	1892.17	β	4	A and B
					321.8	23.67	... 8.6	1892.17	β	4	A and C
6814	H 545	....	13 35	39 11	60±	3±	12 ...12	1820+	H		"Very delicate"
6815	H 2708	DM (24°) 2717	13 37	24 39	316.7	12±	10 = 10	1830+	H		
6816	H 2709	....	13 40	32 54	99.8	12±	10 ...13	1830+	H		"The last of three"
6817	β 1273	O. Arg. N. 14457	14 2	48 28	193.0	1.08	8.6... 9.8	1892.17	β	3	
6818	Σ 3083	DM (24°) 2719	14 12	24 4	230.3	4.55	8.3...11.0	1832.73	Σ	3	8.3 *wh.*
6819	H 1252	W^1 XIV^h. 226	14 22	8 50	267±	6±	9 ...15	1828+	H		
6820	OΣ 281	W^1 XIV^h. 228	14 26	9 8	161.5	1.25	7.3...10.8	1847.72	OΣ	3	
6821	A. G. 193	DM (43°) 2400	14 14 29	42 56	128.9	8.00	9.2... 9.4	1900.42	Es	2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6822	A. G. 194	DM (23°) 2682	14h 14m 38s	23°36′	....	....	9.0...	....	....	
6823	H 546	....	14 40:	−11 42:	40° ±	....	5–6...	1820+	H	
6824	Ho 541	DM (12°) 2683	14 51	12 43	87.0	1″.91	9.3...10.2	1896.38	Ho 2	(*A. N.* 3557)
6825	H 1253	....	15 25	0 23	300±	7±	11 ...12	1828+	H	
6826	H 4674	SD (13°) 3882	15 26	−13 12	272±	18±	9 ... 9½	1836.4	H	
6827	H 235	....	15 33:	14 8:	280±	5±	11 ...13	1820+	H	
6828	Ho 384	L 26242	15 42	− 7 32	49.8	25.88	6.5...12	1891.39	Ho 1	
6829	Σ 1836 *rej.*	DM (69°) 742	15 45	69 52	113.7	20±	9–10 = 9–10	1830+	H	Measures from H (V) (See p. 1076)
6830	H 547	DM (35°) 2550	15 50	35 32	285±	18–20	9 ...11	1820+	H	
6831	H 2711	SD (22°) 3779	15 53	−22 32	133.8	12±	9 ...12	1830+	H	
6832	Σ 1834	DM (49°) 2294	15 54	49 3	113.7	1.36	7.1... 7.2	1831.20	Σ 4	
6833	H III. 20	....	16 ±	12 11±	329.5	7.60	....	1782.30	H 1	
6834	H 2712	....	16 2	54 32	302.6	20±	10–11..11–12	1830+	H	"Taken by mistake for Σ 1839"
6836	Espin 19	DM (52°) 1792	16 15	52 13	47.3	1.71	9.0...10.3	1902.18	β 2	A and B
					170.3	40.84	... 9.0	1902.18	β 2	A and C
6837	Σ 1833	P XIVh. 62	16 18	− 7 13	166.7	4.92	7.0... 7.0	1832.35	Σ 3	*White*
6838	H 236	....	16 46:	12 33:	280±	15±	12 ...13	1820+	H	
6839	H 2713	SD (16°) 3858	17 16	−16 13	203.1	6±	9–10..15	1830+	H	
6840	H 2714	L 26283	17 18	−19 15	266.4	12±	7–8...15	1830+	H	
6841	Σ 1839	O. Arg. N. 14504	17 26	54 28	261.9	14.42	8.3... 8.3	1831.49	Σ 3	*Very wh.*
6842	β 1111	P XIVh. 69	17 29	9 0	135.3	0.19	8.4... 8.4	1889.40	β 3	B and C AC= Σ 1835
					186.5	6.06	5.5... 6.8	1832.08	Σ 3	AB and C
6843	Ho 262	L 26310	17 30	33 3	276.6	5.54	7.0...13.0	1886.97	Ho 2	
6844	Σ 1840	O. Arg. N. 14515	17 33	68 20	222.4	27.39	6.5... 9.2	1831.66	Σ 2	6.5 *very wh.*
6845	A 148	A. G. Harvard 4506	17 47	51 39	347.8	0.30	8.5... 8.5	1901.32	A 3	
6846	β 615	O. Arg. N. 14509	17 52	49 4	237.1	2.35	8.5... 9.5	1878.30	β 1	
6847	H 548	....	17 59	36 48	....	....	....	1820+	H	
6848	H 2715	....	18 4	26 56	358.0	4±	11 ...12	1830+	H	"Neat"
6849	Σ 1844	DM (77°) 536	18 9	77 21	215.8	1.61	8.9...10.4	1832.61	Σ 4	
6850	H 2717	....	18 13	55 25	297.3	5±	11 ...12	1830+	H	
6851	Σ 1837	P XIVh. 70	18 14	−11 7	326.9	1.41	7.1....8.7	1829.83	Σ 4	7.1 *wh.*
6852	Σ 1838	DM (11°) 2673	18 14	11 47	334.4	8.86	7.2... 7.3	1832.23	Σ 7	*White*
6853	O. Stone 31	Yar. 5948	18 15	−27 35	275.6	0.8±	8.0... 9.2	1880.38	Cin 1	
6854	H 2716	DM (47°) 2137	18 22	46 55	266.0	3±	11 = 11	1830+	H	
6855	H 549	DM (30°) 2514	18 44	30 32	145±	20–30	8–9...10	1820+	H	
6856	Σ 3084 *rej.*	DM (62°) 1345	18 45	62 49	....	Cl. IV	9 ...11	....	Σ	
6857	β 225	L 26320	18 48	−19 26	295.8	35.12	7 ... 7	1822.60	Sh 3	A and B
					101.9	1.40	7.3... 8.2	1875.71	Δ 3	B and C
6858	H 546	B. A. C. 4777	18 48	−12 49	40±	30±	6–7...11	1820+	H	
6859	Σ 1841 *rej.*	O. Arg. N. 14536	18 48	68 21	....	Cl. IV	6–7...10	....	Σ	
6860	A 149	A. G. Bonn 9419	18 54	48 9	154.4	0.66	8.9... 9.2	1901.30	A 3	A and B
					29.8	15.66	...13.0	1901.31	A 2	AB and C
6861	H 4678	....	19 6	−23 53	319.9	3±	11½...13	1834+	H	
6862	H 4679	L 26327	19 10	−21 35	313±	20±	8 ... 9	1836.2	H	
6863	Cordoba	L 26334	19 28	−23 40	132.5	2.34	8.3... 8.6	1903.93	β 2	
6864	H 2720	O. Arg. N. 14535	19 30	47 1	31.3	18±	9 ...13	1830+	H	
6865	Σ 1851	DM (80°) 436	19 34	80 23	332.4	10.28	8.5...11.0	1832.55	Σ 2	8.5 *yel'sh wh.*
6866	H 2718	Cord. DM (23°) 11714	19 51	−23 35	203.5	20±	9–10...10	1830+	H	
6867	H VI. 52	....	20 ±	20°..28°	....	60±	....	1781.62	H	"Unidentifiable"
6868	OΣ 282 *rej.*	L 26366	20 5	7 46	212.8	22.52	7.5...11.3	1843.38	Ma 2	7.5 *yel.*
6869	....	DM (24°) 2733	20 11	24 12	74.7	45.21	9.0....	1903.02	β 4	A and B
					120.6	182.55	....	1903.02	β 4	A and C
					294.2	284.74	....	1903.01	β 2	A and D
					245.4	154.52	...11.7	1903.01	β 2	A and *b*
6870	Σ 1843	O. Arg. N. 14548	14 20 15	48 23	188.1	20.15	7.2... 8.7	1830.60	Σ 2	*White*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6871	H 2721	L 26378	14^h 20^m 16^s	22°50′	141°9	60″±	8 ... 9	1830+	H	
6872	Σ 1849	DM (77°) 540	20 18	77 15	1.2	1.46	8.5... 9.0	1832.61	Σ 4	
6873	H 1254	....	20 30	2 40	65±	5±	10 ...10+	1828+	H	"Neat"
6874	Σ 1845 *rej.*	DM (62°) 1349	20 31	62 29	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
6875	Σ 1842	DM (4°) 2864	20 57	4 14	10.9	2.84	8.7... 8.7	1828.86	Σ 4	*White* (See p. 1076)
6876	β 940	52 *Hydrae*	21 9	−28 57	276.8	4.00	5.0...11.3	1879.42	β 3	
6877	Ho 386	SD (22°) 3793	21 34	−22 28	326.6	3.76	7.8...12	1893.34	Ho 1	
6878	H 550	DM (35°) 2560	21 58	35 49	295±	2±	9=9	1820+	H	
6879	Ho 542	DM (21°) 2655	21 59	21 9	273.6	0.49	8.8... 8.8	1896.36	Ho 2	
6880	Σ 1846	φ *Virginis*	22 2	− 1 41	108.8	3.73	5.2... 9.7	1829.74	Σ 5	5.2 *yel.*
6881	Σ 1847	W^1 XIV^h. 379	22 14	− 9 40	248.4	18.73	8.5... 9.8	1829.81	Σ 4	
6882	Ho 543	DM (22°) 2706	22 21	21 56	234.7	4.23	8.5... 8.5	1896.30	Ho 2	(*A. N.* 3557)
6883	Σ 1848	DM (33°) 2466	22 39	33 29	3.4	3.03	8.2...11.2	1832.12	Σ 3	
6884	Cordoba	Cord. G. C. 19614	22 46	−25 0	58.0	13.01	7 ... 9.8	1897.52	See 1	
6885	H 551	....	22 49	20 22	75±	5±	11 ...12	1820+	H	
6886	Egbert 3	W^1 XIV^h. 388	22 58	−14 29	198.7	3.70	8.6... 9.4	1880.33	Cin 5	
6887	Σ 1850	DM (28°) 2332	23 16	28 50	262.2	25.69	6.1... 6.7	1832.00	Σ 4	*Very wh.*
6888	H 237	....	23 40:	11 12:	40±	15±	11 ...12	1820+	H	
6889	Σ 1852 *rej.*	B. A. C. 4799	23 45	− 3 43	268.1	25.16	6.9...10.0	1879.30	β 3	
6890	β 462	SD (3°) 3635	23 46	− 3 11	324.4	2.01	9.5... 9.7	1877.48	Δ 2	A and B
					65.4	14.81	...12.0	1880.32	β 1	A and C
6891	Ho 544	DM (30°) 2528	23 52	30 5	233.3	13.66	8.5...13	1896.37	Ho 3	(*A. N.* 3557)
6892	H 5485	....	24 :	2 25:	172±	....	11=11	1823+	H	"Place precarious"
6893	Σ 1853	W^1 XIV^h. 413	24 8	6 49	86.4	2.73	8.7... 9.3	1830.01	Σ 3	
6894	Σ 1887	Redhill 2184	24 9	87 58	240.2	3.22	8.2...10.5	1832.37	Σ 3	8.2 *yel'sh wh.*
6895	Σ 1854 *rej.*	P XIV^h. 103	24 41	32 20	257.3	26.34	6.5... 9.0	1879.35	Cin 1	
6896	β 117	L 26481	24 43	−15 4	95.8	2.44	8.3... 9.2	1876.64	Δ 3	
6897	H 552	....	24 43:	−12 16:	330±	12±	9=9	1820+	H	
6898	H 2725	DM (55°) 1686	24 52	55 3	152.3	15±	9 ...11	1830+	H	
6899	H 2727	DM (70°) 787	24 52	70 51	21.5	25±	9 ...10	1830+	H	A and B
					177.9	10±	...11	1830+	H	B and C
6900	Cordoba	Cord. G. C. 19678	25 8	−27 30	181.2	14.82	8 ...10.9	1897.46	See 1	
6901	H 2724	....	25 9	20 24	321.9	17±	11=11	1830+	H	
6902	H 238	....	25 13:	14 16:	105±	20±	10 ...11	1820+	H	
					105±	35±	...11	1820+	H	
6903	H 2723	Cord. DM (23°) 11775	25 24	−23 30	136.3	25±	9 ...10–11	1830+	H	
6904	A. G. 195	A. G. Alb. 4980	25 39	2 22	160.1	1.62	9.1... 9.3	1902.72	M 3	
6905	β 1112	Lac. 5983	26 3	−30 11	7.6	2.44	6.3...11.1	1889.41	β 6	
6906	Hu 140	SD (12°) 4079	26 3	−12 28	182.4	1.16	8.5... 8.9	1900.42	Hu 4	(*A. J.* 485)
6907	Glasenapp 3	SD (12°) 4080	26 10	−12 14	314.6	68.49	9.2... 9.5	1890.44	Gla 2	
6908	H 2729	DM (56°) 1742	26 12	56 38	60.3	25±	9 ...10	1830+	H	
6909	Σ 3086	DM (17°) 2752	26 41	17 50	270.9	5.74	9.0...10.0	1830.96	Σ 3	
6910	H 2728	ρ *Bootis*	26 42	30 54	333.5	60±	4 ...16	1830+	H	
6911	H 2726	SD (18°) 3848	26 47	−18 29	151.2	12±	10 ...11	1830+	H	
6912	β 238	L 26529	27 1	−20 30	90.3	6.96	8.0...10.2	1877.39	Cin 2	
6913	A 570	A. G. Camb. 6873	27 2	27 13	198.6	0.20	6.3... 6.5	1903.40	A 4	(*Bul. L. O.* No. 50)
6914	Σ 1855	W^2 XIV^h. 556	27 14	32 10	248.6	15.30	8.2... 9.1	1831.95	Σ 4	*White* (See p. 1076)
6915	β 616	γ *Bootis*	27 15	38 50	98.6	26.18	2.8...12.5	1878.25	β 2	
6916	Ho 387	W^2 XIV^h. 552	27 21	20 41	241.4	9.22	8.7...11.5	1892.43	Ho 2	
6917	H 554	DM (35°) 2576	27 31	35 14	295±	5±	9=9	1820+	H	A and B
					330±	12±	...12	1820+	H	A and C
6918	H 2730	....	27 41	25 56	306.0	18±	10 ...11	1830+	H	
6919	H 2733	5 *Ursae Minoris*	27 42	76 14	131.1	70±	4 ...14	1830+	H	
6920	Σ 1859 *rej.*	DM (73°) 631	27 44	73 35	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.* (See p. 1076)
6921	H 853	....	28 2	− 9 14	125±	5±	11 ...12	1820+	H	
6922	H 1255	W^2 XIV^h. 576	14 28 13	41 58	290±	25±	8 ... 9	1828+	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6923	Hu 57	Rad^{1}. 3220	14^{h} 28^{m} 17^{s}	49° 43′	134°6	4″93	7.3...11.2	1848.14	OΣ 3	A and BC } AB= OΣ 283
					138.5	1.27	11.5...12.0	1898.35	Hu 2	B and C
6924	H 2732	O. Arg. N. 14655	28 19	45 37	314.4	9±	9–10...17	1830+	H	
6925	H 239	....	28 36:	14 45:	120±	15±	10 ...11	1820+	H	
6926	Σ 1858	W^{2} XIV^{h}. 583	28 41	36 7	35.2	2.20	7.2... 8.0	1831.84	Σ 3	*White*
6927	A. G. Clark 6	DM (30°) 2534	28 45	30 21	139.8	0.75	9.5...10.0	1877.04	Δ 2	
6928	Σ 1857 *rej.*	DM (10°) 2706	28 50	10 42	....	III–IV	8–9...11	....	Σ	
6929	OΣ (App) 129	W^{2} XIV^{h}. 584	28 57	24 55	67.9	78.67	7.2... 7.3	1874.34	Δ 3	
6930	H 1256	....	29 39	0 18	240±	5±	10 ...10+	1828+	H	"Neat star"
6931	β 941	L 26605	29 40	0 46	218.3	0.80	8.2... 8.2	1879.28	β 1	
6932	Ma 6	....	29 47:	6 51:	196.1	19.29	7.5...10	1843.33	Ma 1	
6933	Hu 574	DM (19°) 2827	29 54	19 48	102.5	0.29	8.5... 8.8	1902.52	Hu 4	(*Bul. L. O.* No. 27)
6934	Σ 1860	DM (55°) 1695	30 8	55 46	101.2	1.25	7.5... 8.7	1830.91	Σ 3	*Very wh.: ashy wh.*
6935	Wash. Zones	O. Arg. S. 13760	30 24	−29 10	111.3	20.12	8.0... 8.8	1880.35	Cin 2	From Cin 6
6936	Σ 3087	W^{2} XIV^{h}. 621	30 42	19 56	49.2	1.65	9.5... 9.5	1833.05	Σ 3	
6937	Σ 1861	DM (12°) 2717	30 56	12 42	175.5	14.01	8.7... 9.2	1828.94	Σ 3	
6938	H 2734	SD (19°) 3918	31 25	−19 8	216.4	12±	9–10...10	1830+	H	
6939	β 804	W^{1} XIV^{h}. 558	31 42	− 8 9	166.2	1.40	8.1...10.7	1881.46	β 2	
6940	H 2735	SD (16°) 3906	31 48	−16 21	66.0	25±	9–10...12	1830+	H	
6941	β 226	L 26665	32 5	−21 49	82.7	0.95	7.8... 8.0	1879.44	β 1	
6942	H 2738	DM (77°) 548	32 6	77 6	270.0	10±	9 ...12	1830+	H	(See p. 1076)
6943	Σ 1862	DM (15°) 2735	32 8	15 25	126.3	14.48	8.5... 9.7	1828.62	Σ 3	
6944	A 347	A. G. Bonn 9531	32 41	48 44	72.9	0.34	8.0... 8.5	1902.66	A 2	(*Bul. L. O.* No. 29)
6945	β 805	O. Arg. S. 13799	32 58	−26 37	135.4	24.12	7.2...13	1881.41	β 2	A and B
					42.0	123.98	... 9.2	1881.42	β 3	A and C
					239.7	1.99	...11.7	1881.44	β 3	C and D
6946	β 806	O. Arg. S. 138[illegible]3	33 27	−25 44	96.3	0.67	7.3... 9.3	1890.39	β 3	A and B
					347.8	1.22	8.5... 9.6	1881.44	β 3	C and D
					67.4	71.50	....	1881.42	β 3	A and C
					329.6	17.78	...13.5	1890.38	β 2	A and *a*
6947	H 2737	....	33 49	20 31	12.0	4±	11 = 11	1830+	H	"Between two neb."
6948	Σ 1863	DM (52°) 1816	34 1	52 6	109.7	0.65	7.1... 7.4	1830.14	Σ 4	*Yel'sh wh.*
6949	A 571	A. G. Camb. 6923	34 3	27 20	100.1	1.58	8.0...12.4	1903.46	A 4	(*Bul. L. O.* No. 50)
6950	Howe 34	DM (12°) 2723	34 32	12 37	13.5	2.48	8.7... 9.2	1879.35	Cin 2	
6951	β 345	Lac. 6051	34 40	−29 11	128.2	0.88	7.0... 7.3	1877.41	Cin 1	
6952	β 414	*Centauri* 315	34 42	−30 25	345.6	1.01	6.5... 7.9	1889.43	β 3	
6953	H 1257	....	35 0	4 3	225±	12±	10 ...11	1828+	H	
6954	Σ 1864	*π Bootis*	35 5	16 56	99.2	5.83	4.9... 6.0	1830.32	Σ 9	*Very wh.*
6955	Σ 1865	*ζ Bootis*	35 25	14 15	309.2	1.19	3.5... 3.9	1830.47	Σ 11	*White*
6956	H 555	DM (34°) 2549	35 35	34 25	140±	9±	10 ...10+	1820+	H	
6957	Hd Zones	DM (1°) 2964	35 38	0 54	....	....	9 ...	....	....	
6958	Σ 1867	*Bootis* 260	35 39	31 48	21.8	1.63	7.7... 8.2	1831.84	Σ 3	*White*
6959	H 2739	....	35 41	8 40	70.0	3±	15 ...16	1830+	H	"Very delicate"
6960	Doo 9	....	35 42	51 50	106.5	1.18	11.0...12.2	1900.63	Doo 3	(*Pub. Flower Obsy.* I)
6961	Σ 1866	DM (10°) 2725	35 54	10 2	19.2	0.92	8.2... 8.2	1829.60	Σ 3	*Yel'sh*
6962	Hu 743	SD (17°) 4157	35 59	−17 50	23.4	0.42	8.7...10.0	1902.49	Hu 1	
6963	OΣ 284	Rad^{1}. 3245	36 6	49 13	106.3	6.98	7.2...11.2	1848.19	OΣ 3	
6964	OΣ (App) 130	Rad^{1}. 3254	36 11	80 52	300.2	48.41	8.3... 9.2	1876.44	Δ 3	
6965	H 4694	....	36 17	−24 29	45±	....	....	1834+	H	
6966	Σ 1880 *rej.*	DM (80°) 446	36 18:	80 18	....	Cl. IV	8–9...10	....	Σ	From *Cat. Nov.* (See p. 1076)
6967	Σ 1869	SD (5°) 3934	36 22	− 5 27	132.6	26.04	8.0... 9.0	1828.00	Σ 3	*White*
6968	β 807	*Schj.* 5216	36 37	− 6 18	239.0	1.24	8.0... 9.1	1881.41	β 3	
6969	Hn 19	Cord. DM (24°) 11642	36 50	−24 46	194.9	1.76	9.4...11.0	1881.39	β 2	
6970	H 5486	....	37 ±	2 16:	150±	....	8 ... 9	1823+	H	
6971	Σ 1870	DM (8°) 2908	37 1	8 35	230.6	4.07	7.8...10.7	1829.97	Σ 3	7.8 *yel'sh wh.*
6972	Hu 575	DM (20°) 3010	14 37 5	20 1	170.7	0.68	9.0... 9.5	1902.51	Hu 3	(*Bul. L. O.* No. 27)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
6973	**Ho 59**	**DM** (45°) 2209	$14^h\ 37^m\ 6^s$	44°54′	6°.6	6″.90	8.0...12.5	1886.49	Ho 1	
6974	**Ku 48**	**DM** (13°) 2830	37 18	13 40	135.8	6.60	9.9...10.1	1901.46	Ku 2	Kustner (3821)
6975	**Σ 1871**	**DM** (52°) 1821	37 27	51 54	283.2	1.82	7.0 = 7.0	1829.10	Σ 3	*White*
6976	**H 2740**	....	37 27	−20 1	310±	14±	11 ...12	1830+	H	"P est. from diagram"
6977	**Σ 1872**	**O. Arg. N.** 14791	37 35	58 29	38.4	7.54	7.0... 8.0	1830.25	Σ 3	*Yel'sh: ashy wh.*
6978	**Σ 3088** *rej.*	**DM** (20°) 3013	37 54	20 45	....	Cl. IV	9 ...10–11	....	Σ	From *Cat. Nov.*
6979	**H 5487**	**DM** (29°) 2571	37 52	29 18	230.0	20±	9 .. 10	1827.2	H	
6980	**H 5488**	....	38 :	3 13:	50±	....	8 ... 8.5	1823.4	H	
6981	**H N. 116**	....	38 :	56 ±	....	....	....	1796.60	H	
6982	**Σ 1874**	**DM** (49°) 2319	38 1	49 38	288.4	25.73	7.7... 9.2	1830.65	Σ 2	7.7 *yel'sh*
6983	**H 2741**	**SD** (19°) 3951	38 12	−20 4	....	10±	10 ...11	1830+	H	"A neat star"
6984	**H 2746**	**DM** (70°) 800	38 48	70 15	239.2	30±	9 ...10	1830+	H	
6985	**Σ 1875**	**DM** (38°) 2583	38 51	38 15	310.7	3.15	8.7... 9.2	1832.16	Σ 3	*White*
6986	**H 2743**	**DM** (6°) 2937	38 52	6 13	29.2	20±	9 ...10	1830+	H	
6987	**Σ 1873**	**DM** (8°) 2913	38 54	8 13	94.4	6.35	7.8... 8.3	1828.37	Σ 3	*Very wh.*
6988	**Σ 1878**	*Draconis* 59	39 3	61 46	336.4	3.08	7.0... 9.2	1832.18	Σ 3	7.0 *yel'sh*
6989	**Sh 184**	54 *Hydrae*	39 4	−24 56	136.7	9.95	6 ... 8+	1822.87	Sh 2	*Red: blue*
6990	**Hn 20**	5 *Librae*	39 21	−14 57	249.8	2.69	6.3...11.0	1881.43	β 3	
6991	**Hu 476**	**SD** (16°) 3936	39 21	−16 22	179.6	1.77	8.2...13.0	1901.56	Hu 3	(*Bul. L. O.* No. 21)
6992	**H 556**	**DM** (34°) 2556	39 38	34 15	335±	25±	9 ... 9+	1820+	H	
6993	**Σ 1877**	ε *Bootis*	39 45	27 35	321.0	2.64	3.0... 6.3	1829.39	Σ 18	*Very yel.: very blue*
6994	**Ku 49**	**DM** (42°) 2528	39 48	41 55	200.9	1.55	9.6...10.1	1901.37	Ku 2	Kustner (3821)
6995	**H 4700**	**L** 26882	39 49	−10 35	222.4	25±	9 ... 9½	1836.4	H	
6996	**Hu 576**	**DM** (20°) 3020	39 51	20 41	188.6	4.80	8.5...13.0	1902.51	Hu 3	(*Bul. L. O.* No. 27)
6997	**Σ 1876**	**L** 26890	40 2	− 6 53	51.7	1.18	8.1... 8.6	1832.33	Σ 7	*Yel'sh*
6998	**H 2745**	**DM** (29°) 2575	40 13	29 41	122.0	14±	10 ...12	1830+	H	
6999	**Σ 1879**	**DM** (10°) 2739	40 23	10 10	67.3	1.18	7.8... 8.8	1829.99	Σ 3	*Yel'sh*
7000	**H 557**	**DM** (37°) 2571	40 28	37 19	43±	8±	10 ...12	1820+	H	
7001	**OΣ 285**	**P** XIV^h. 182	40 58	42 53	72.2	0.61	7.1... 7.6	1845.80	OΣ 3	
7002	**Σ 1881**	**DM** (1°) 2981	40 59	1 29	357.9	3.64	7.0... 9.3	1830.99	Σ 3	*Very wh.: ash*
7003	**See 213**	**Cord.** 14^h. 2593	41 1	−29 55	167.3	0.24	7.6... 8.5	1897.46	See 1	(*A. J.* 431)
7004	**Σ 1882**	*Draconis* 60	41 5	61 36	2.5	11.51	7.2... 8.7	1831.64	Σ 2	*Yel'sh wh.: ash*
7005	**β 1113**	**B. A. C.** 4886	41 21	2 32	137.1	4.54	6.2...11.8	1889.40	β 3	
7006	**β 346**	*Librae* 23	41 50	−16 50	236.1	1.27	7.2... 8.0	1877.44	Δ 2	
7007	**Hu 477**	**SD** (16°) 3942	42 18	−16 30	33.4	4.75	8.8... 8.8	1901.88	Hu 3	(*Bul. L. O.* No. 21)
7008	**Ho 263**	**DM** (24°) 2776	42 19	24 36	*s*	1±	7 ...10	1887.41	Ho	
7009	**β 617**	**L** 26952	42 23	−23 45	336.6	2.73	8.5...11.5	1878.34	β 2	B and C
					219.1	56.69	7.5...10	1825.35	S 2	A and B
7010	**Hu 141**	**SD** (10°) 3967	42 43	−10 20	323.4	0.37	7.5... 8.7	1900.42	Hu 3	(*A. J.* 485)
7011	**H 241**	....	42 44:	12 36:	30±	20±	9 ...10	1820+	H	
7012	**β 106**	μ *Librae*	42 45	−13 39	335.0	1.38	5.4... 6.3	1875.60	Δ 5	A and B
					283.7	18.33	. .14.5	1889.38	β 2	A and C
					185.5	25.96	...13.9	1889.38	β 3	A and D
					229.2	27.35	...12.5	1878.32	β 1	A and E
7013	**Σ 1883**	**DM** (6°) 2946	42 56	6 27	272.0	1.24	7.0... 7.0	1830.37	Σ 3	*Yel'sh*
7014	**Σ 1884**	*Bootis* 286	43 4	24 52	52.2	1.23	6.2... 7.8	1829.78	Σ 3	*Yel'sh: bluish*
7015	**H 2747**	....	43 36	24 34	45.8	6±	10 ...11	1830+	H	
7016	**Ho 546**	**W^1 XIV^h**. 787	43 43	− 6 40	91.0	2.82	8.3...11	1897.44	Ho 2	(*A. N.* 3557)
7017	**H 4708**	....	44 6	− 4 59	330.6	12±	10½...10½	1835.6	H	
7018	**Sh 186**	α *Librae*	44 12	−15 32	314.5	230.85	4 ... 6	1823.47	Sh 1	
7019	**Σ 1885**	**DM** (0°) 3250	44 25	0 28	147.4	3.78	8.3... 8.8	1830.33	Σ 3	*Very wh.*
7020	**H 2748**	**Cord. DM** (30°) 11768	44 28	−30 23	178.3	30±	8–9... 9–10	1830+	H	
7021	**H 558**	....	44 34	35 24	70±	10±	10 ...13	1820+	H	
7022	**Ho 388**	**SD** (17°) 4193	44 42	−17 23	124.6	11.52	8.0...11.5	1892.44	Ho 2	
7023	**Kr 43**	**A. G. Hels.** 8126	44 47	62 39	215.9	2.70	9.7...10.0	1891.29	β 1	
7024	**H 5489**	**B. A. C.** 4902	14 44 48	29 7	20±	15±	6 ...20	1823+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7025	H 2751	....	14h 45m 7s	53°54′	142°.5	5″±	11 ...11+	1830+	H	"Neat"
7026	Hu 647	DM (48°) 2243	45 7	48 44	....	0.3±	9.0...	....	Hu	
7027	Σ 1886	DM (10°) 2752	45 15	10 13	228.2	7.51	7.2... 9.2	1827.62	Σ 4	*7.2 yel'sh wh.*
7028	OΣ 286 *rej.*	DM (47°) 2177	45 19	47 5	....	....	8 ...	....	OΣ	
7029	H 5490	....	45 31	3 13	253.	....	12 ...13	1823+	H	A and B
					310.	....	7–8...10	1823+	H	C and D
7030	H 2749	....	45 34	−19 53	319.6	20±	9 ...10	1830+	H	
7031	Σ 1890	39 *Bootis*	45 37	49 13	44.1	3.70	5.8... 6.5	1830.02	Σ 6	*Wh.: purplish*
7032	Σ 1889 *rej.*	DM (51°) 1957	45 39	51 52	....	Cl. IV	6 ...10	....	Σ	
7033	H 2750	....	45 40	31 44	120±	5±	10–11...13	1830+	H	"P est. from diagram"
7034	Σ 1888	ξ *Bootis*	45 51	19 36	328.2	7.09	4.7... 6.6	1836.47	Σ 4	*Yel.: purplish red*
7035	H 4713	....	45 53	−10 27	129.7	25±	9½...10	1836.4	H	
7036	H 2754	....	46 3	77 37	260.7	2½	11–12...12	1830+	H	
7037	H 1258	DM (44°) 2396	46 10	43 56	60±	15±	9 ...13	1828+	H	
7038	Ho 389	L 27099	46 39	20 47	100.8	1.12	7.0... 9.3	1892.12	Ho 3	
7039	Hn 120	L 27090	46 46	8 16	222.1	24.65	8.2... 9.8	1888.46	Com 3	
7040	β 31	L 27106	46 59	19 13	181.6	1.11	8.5...10.2	1874.94	Δ 2	A and B
					161.4	9.04	...12.5	1878.25	β 1	A and C
7041	β 118	O. Arg. S. 14034	47 1	−16 1	307.4	1.83	9.8...10.7	1875.90	Δ 2	
7042	H 559	DM (33°) 2504	47 1	33 4	20±	8±	10 ...11	1820+	H	
7043	H 2752	DM (45°) 2228	47 4	45 6	131.2	4½	9 ...10	1830+	H	
7044	OΣ 287	L 27136	47 8	45 25	97.3	0.58	7.5... 7.6	1845.51	OΣ 2	*White*
7045	H 2753	....	47 16	55 50	96.8	30±	9–10...12	1830+	H	
7046	β 347	*Centauri* 330	47 18	−32 49	320.6	13.01	6.5...10.5	1889.45	β 3	A and B
					243.1	58.46	... 9.8	1889.45	β 3	A and C
7047	β 942	....	47 29	0 2	189.9	1.24	9.2... 9.2	1879.44	β 2	
7048	OΣ (App) 131	P XIVh. 205	47 40	0 5	210.5	89.69	6.5... 7.2	1873.44	Δ 2	
7049	OΣ 288	DM (16°) 2705	47 46	16 12	228.0	0.68	6.4... 7.1	1845.35	OΣ 3	
7050	H 242	....	47 50:	14 9:	320±	10±	10 ...11	1820+	H	
7051	Ho 390	Lac. 6146	48 23	−33 22	169.0	23.08	5 ...12	1892.44	Ho 2	
7052	Ma —	....	48 37:	9 56:	47.9	7.82	7.5... 9.5	1843.34	Ma 1	
7053	Hn 21	SD (14°) 4070	48 57	−14 15	23.0	3.92	8.5... 8.6	1881.43	β 3	
7054	Hu 142	SD (12°) 4165	49 14	−12 43	11.3	2.49	8.5...12.3	1900.48	Hu 3	(*A. J.* 485)
7055	H 4716	Cord. DM (24°) 11736	49 22	−24 11	2.0	1½	9½...11	1834.3	H	
7056	H 1259	W1 XIVh. 907	49 27	7 16	85±	30±	7–8...10	1828+	H	"*Orange: blue*"
7057	Σ 1892	DM (59°) 1616	49 32	59 33	240.7	2.76	8.5... 9.7	1830.91	Σ 3	8.5 *wh.*
7058	H 2755	....	49 33	24 40	255.4	12±	10 ...14	1830+	H	
7059	Σ 1891	DM (34°) 2581	49 37	34 34	233.9	3.58	8.0... 9.7	1832.16	Σ 3	8.0 *yel'sh wh.*
7060	Sh 190	P XIVh. 212	50 27	−20 52	270.1	10.82	7 ... 8	1823.32	Sh 1	A and B
					321.5	20±	...15	1830+	H	B and C
7061	H 1261	DM (58°) 1538	50 42	58 3	15.0	8±	10 = 10	1828+	H	
7062	H 560	....	50 45	35 27	300±	20±	9 ...11	1820+	H	
7063	A. G. 196	DM (51°) 1968	50 52	51 7	139.0	25.03	9.1... 9.4	1900.43	Es 2	
7064	H 4720	....	50 53	− 5 23	....	10±	10½ = 10½	1835.6	H	
7065	OΣ 289	L 27241	51 1	32 47	120.3	4.56	6.3... 9.8	1846.34	OΣ 3	6.3 *yel.*
7066	Σ 1893	DM (30°) 2587	51 10	29 58	261.0	21.60	8.4...10.0	1832.40	Σ 5	
7067	H 1260	DM (41°) 2538	51 12	41 45	190±	6±	10 ...10–11	1828+	H	
7068	H VI. 51	1 *Serpentis*	51 23	0 19	....	....	....	1781.59	H	
7069	Hu 648	DM (21°) 2705	51 29	21 3	135.2	1.47	9.0...14.0	1902.54	Hu 1	
7070	β 239	59 *Hydrae*	51 33	−27 10	303.7	0.8±	6.0... 6.0	1874.50	β 5	
7071	H 561	SD (13°) 4030	51 44	−13 36	80±	....	9 = 9	1820+	H	A and B
					285±	....	... 9	1820+	H	A and C
7072	H 2757	L 27229	51 48	−21 55	94.8	10±	8–9...11	1830+	H	
7073	β 808	SD (8°) 3872	51 53	− 8 13	201.5	0.63	9.0... 9.0	1881.44	β 2	A and B
					305.1	94.60	... 9.0	1881.44	β 2	AB and C
7074	H 2756	DM (8°) 2949	14 51 54	8 45	94.8	25±	9–10...10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer		Notes
7075	H 4722	Lac. 6183	$14^{h}\ 52^{m}\ 15^{s}$	−30° 14′	344°.5	10″ ±	6½ ... 9	1837.5	H		
7076	H 243	L 27287	52 18	35 58	25 ±	12 ±	8 ... 13	1820+	H		(= OΣ 290 *rej.*)
7077	Σ 1894	18 *Librae*	52 24	−10 40	38.7	19.45	6.0 ... 10.2	1831.09	Σ	4	6.0 *yel'sh*
7078	Σ 1897 *rej.*	DM (70°) 813	52 24	70 15	331.3	18 ±	7–8 ... 11–12	1830+	H		From H (V)
7079	β 1085	P XIV^{h}. 229	52 37	− 4 30	19.5	9.34	6.0 ... 13.2	1889.30	β	3	
7080	Σ 1895	W^{2} XIV^{h}. 1127	52 52	40 39	43.4	12.40	7.8 ... 8.3	1831.91	Σ	3	*Very wh.*
7081	H 2759	DM (46°) 2007	53 15	45 59	90 ±	7 ±	10 ... 14	1830+	H		
7082	Σ 3089	DM (0°) 3287	53 17	0 0	30.1	5.04	9.5 ... 11.2	1830.32	Σ	3	
7083	H 1263	....	53 17	7 17	102 ±	15 ±	10 ... 10+	1828+	H		
7084	Σ 1915	Redhill 2258	53 24	86 27	326.0	2.49	7.5 ... 10.5	1832.30	Σ	3	7.5 *yel.*
7085	H 1264	W^{2} XIV^{h}. 1147	53 29	40 42	315 ±	14 ±	10 ... 11	1828+	H		
7086	Σ 1898	DM (59°) 1620	53 30	59 52	206.4	2.65	7.8 ... 9.8	1832.19	Σ	3	7.5 *yel'sh wh.*
7087	H 2758	....	53 55	−17 1	359.0	10 ±	11 ... 13	1830+	H		
7088	Σ 1896	DM (44°) 2408	54 2	44 32	281.8	4.54	8.3 ... 8.8	1830.88	Σ	3	*White*
7089	H 5491	....	54 30	3 34	60 ±	Cl. III	8 ... 9	1834+	H		
7090	A 14	SD (3°) 3707	54 54	− 3 37	16.9	3.76	9.0 ... 12.0	1899.43	A	3	(*A. N.* 3635)
7091	H 562	DM (35°) 2637	54 56	35 35	310 ±	16 ±	8–9 ... 11	1820+	H		(= Σ 1900 *rej.*)
7092	H 1265	....	55 7	6 50	273 ±	3 ±	13–14 .. 14	1828+	H		
7093	H 1266	....	55 19	4 44	30 ±	12 ±	9–10 ... 10	1828+	H		
7094	Hn 22	SD (19°) 4004	55 19	−19 48	360.1	2.22	8.5 ... 9.3	1881.39	β	3	
7095	Σ 1899	SD (2°) 3930	55 20	− 2 41	67.3	28.47	7.2 ... 9.7	1825.37	Σ	2	7.2 *yel.*
7096	β 348	2 *Serpentis*	55 40	0 20	114.6	0.47	5.1 ... 7.4	1875.75	Δ	4	
7097	H 2760	DM (6°) 2974	55 48	6 6	19.4	20 ±	9–10 ... 10	1830+	H		"Fine"
7098	Σ 1901	*Bootis* 342	55 59	31 51	203.7	30.34	7.7 ... 9.5	1831.49	Σ	2	7.7 *yel.*
7099	Sh 191	O. Arg. N. 15019	56 0	54 20	343.2	40.84	7 ... 7½	1823.33	Sh	2	
7100	Σ 1905	DM (71°) 704	56 3	71 19	160.1	3.84	8.3 ... 8.3	1832.24	Σ	3	*White*
7101	Σ 1902	DM (16°) 2724	56 16	16 16	185.5	25.75	8.0 ... 8.5	1828.80	Σ	2	
7102	H 4727	O. Arg. S. 14191	56 26	−27 22	36.2	5 ±	9 = 9	1834.3	H		
7103	OΣ 291 *rej.*	B. A. C. 4952	56 33	47 45	156.6	35.51	6.1 ... 8.6	1867.12	Δ	3	*White: blue*
7104	Σ 1903 *rej.*	DM (2°) 2906	56 50	2 34	142.4	41.76	9.0 ... 9.0	1903.22	β	2	
7105	H 1267	DM (8°) 2965	57 17	8 9	5 ±	14 ±	10 ... 11	1828+	H		
7106	S 666	Rad^{I}. 3315	57 40	75 23	38.0	173.18	6 ... 9	1824.94	S	2	
7107	S 665	L 27408	57 46	−17 26	91.9	25.27	8½ ... 10	1825.35	S	3	
7108	Ho 391	W^{1} XIV^{h}. 1065	57 47	− 6 24	141.6	1.85	8 ... 11	1891.39	Ho	1	
7109	Σ 1906 *rej.*	DM (71°) 705	57 52	71 37	218.7	25 ±	9 ... 10	1830+	H		A and B } From H (V)
					259.6	90 ±	... 11	1830+	H		A and C }
7110	H 245	....	58 0:	36 20:	267 ±	6 ±	12 ... 12	1820+	H		
7111	Σ 1904	W^{1} XIV^{h}. 1074	58 9	5 58	346.4	9.62	7.0 ... 7.0	1829.72	Σ	3	*Very wh.*
7112	Hu 744	DM (20°) 3054	58 19	20 35	346.9	1.01	8.5 ... 15.0	1902.54	Hu	1	
7113	H 2761	DM (29°) 2617	59 2	29 50	169.6	20 ±	9–10 ... 10	1830+	H		
7114	Hu 745	DM (20°) 3056	59 3	20 19	23.2	0.54	7.5 ... 9.0	1902.54	Hu	1	
7115	H 564	....	59 4	29 51	20 ±	15 ±	6 ... 20	1820+	H		
7116	H 565	....	59 9	33 53	110 ±	25 ±	8 ... 10	1820+	H		
7117	β 119	L 27454	59 10	− 6 33	313.0	1.51	8.0 ... 8.5	1875.90	Δ	4	
7118	H 246	....	59 19:	14 13:	225.4	4 ±	10 ... 11	1820+	H		
7119	Σ 1907	DM (12°) 2786	59 48	12 6	11.8	1.13	8.5 ... 8.7	1830.28	Σ	3	
7120	Σ 1909	44 *Bootis*	59 51	48 7	234.0	2.86	5.2 ... 6.1	1832.24	Σ	9	*Yel'sh: bluish*
7121	H VI. 53	....	15 0 :	48 7:	....	60 ±	....	1781.62	H		
7122	Σ 1908	DM (35°) 2648	0 6	34 56	137.2	1.46	8.2 ... 9.2	1832.54	Σ	3	8.2 *wh.*
7123	H 2763	DM (56°) 1779	0 36	56 50	245 ±	40 ±	8–9 ... 11	1830+	H		A and B } In DM 9.2 m.
					235 ±	5 ±	... 11+	1830+	H		B and C }
7124	H 2762	....	0 37	6 37	250.3	6 ±	10 ... 10+	1830+	H		
7125	H 1268	DM (6°) 2996	0 42	6 15	80 ±	20 ±	9 ... 12	1828+	H		
7126	β 1086	47 *Bootis*	1 27	48 37	256.6	6.03	5.5 ... 13.2	1889.21	β	3	
7127	Σ 1910	P XIV^{h}. 279	1 46	9 41	209.2	3.80	7.0 ... 7.0	1832.08	Σ	3	*Yel'sh wh.*
7128	Σ 1911	DM (12°) 2790	15 1 57	12 26	293.7	1.99	9.0 ... 9.8	1830.28	Σ	3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7129	H 2764	SD (21°) 4040	15^h 2^m 7^s	−21°16′	160°2	18″±	8–9...10	1830+	H	
7130	H 4736	....	2 16	−24 35	166.8	6±	11 = 11	1834.3	H	
7131	Ho 392	Cord. G. C. 20552	2 29	− 5 42	173.3	6.86	8 ...12	1891.39	Ho 1	
7132	Σ 3090	L 27568	2 33	− 0 31	275.5	1.79	8.3... 8.7	1829.99	Σ 3	*Yel'sh wh.*
7133	A 81	SD (6°) 4141	2 34	− 6 7	66.0	0.54	8.6... 9.0	1900.54	A 4	
7134	H 247	....	2 50:	11 31:	50±	15±	10 ...11	1820+	H	
7135	Hn 23	W^1 XIV^h. 1163	2 51	− 7 48	360.7	3.40	8.6... 8.9	1881.39	β 3	
7136	β 349	L 27579	2 52	2 9	39.6	4.06	7.5...11.8	1876.51	Δ 1	
7137	β 809	SD (22°) 3908	3 3	−22 16	120.1	1.47	8.0... 9.3	1881.36	β 4	
7138	Σ 1912	W^1 XV^h. 8	3 6	5 40	157.5	6.79	8.5... 9.3	1829.67	Σ 3	8.5 *white*
7139	H 4740	O. Arg. S. 14309	3 10	−28 0	30±	....	....	1834+	H	
7140	H 2766	P XIV^h. 291	3 21	25 34	330.9	40±	6–7...12	1830+	H	
7141	H 248	DM (14°) 2841	3 26	14 47	275±	8±	10 ...11	1820+	H	A and B }
					120±	30±	...18	1820+	H	A and C }
7142	Hu 143	DM (55°) 1733	4 7	55 43	127.1	0.74	9.1... 9.4	1900.59	Hu 3	(*A. J.* 485)
7143	H 566	L 27654	4 17	33 31	290±	12±	8 ...12	1820+	H	(= Σ 1913 *rej.*)
7144	H 2768	....	4 27	45 37	116.8	15±	10 ...10	1830+	H	"Neat"
7145	H 2767	....	4 37	32 36	268.0	8±	10–11..11	1830+	H	"Neat"
7146	H 2769	....	5 2	32 36	22.8	9±	11 ...13	1830+	H	
7147	Hu 144	DM (20°) 3075	5 11	20 48	242.4	0.66	8.8...11.0	1900.59	Hu 4	(*A. J.* 485)
7148	A 572	A. G. Bonn 9815	5 17	42 10	4.7	4.04	8.9...10.7	1903.61	A 3	(*Bul. L. O.* No. 50)
7149	Σ 1916	DM (39°) 2838	5 21	39 26	329.5	10.03	7.0... 9.5	1829.70	Σ 2	7.0 *white*
7150	β 618	ι *Librae*	5 23	−19 20	24.3	1.86	10 ...10	1878.34	β 3	B and C }
					112.5	59.07	6 ...	1782.39	♅ 1	A and B }
7151	Σ 1914	SD (4°) 3828	5 25	− 5 2	336.4	30.94	8.0... 8.7	1827.37	Σ 3	*White*
7152	H 567	DM (38°) 2620	5 31	38 9	145±	15±	9 ...13	1820+	H	7.9m. in DM
7153	Σ 1918 *rej.*	*Draconis* 67	5 34	63 36	....	Cl. IV	6 ...10	....	Σ	
7154	Weisse 28	W^1 XV^h. 61	6 3	−14 15	....	....	8 ...	....	....	
7155	H 568	....	6 23	39 33	305±	12±	11 ...13	1820+	H	
7156	H 249	....	6 31:	17 55:	135±	10±	12 ...12	1820+	H	
7157	H 3344	....	6 42	3 54	125.6	3±	14 = 14	1831+	H	
7158	Σ 1920	O. Arg. N. 15173	6 48	47 18	291.1	19.01	8.5... 8.5	1830.63	Σ 3	*Yel'sh wh.*
7159	Arg. 27	O. Arg. N. 15175	6 50	47 8	....	Cl. III	9 ...	....	....	
7160	Σ 1917	DM (15°) 2829	6 57	15 50	239.3	2.22	9.0... 9.3	1829.66	Σ 3	
7161	H.C.Wilson13	....	7 :	− 4 10:	288.8	5.26	8.5...10.0	1884.39	W 1	
7162	Σ 1919	DM (19°) 2939	7 24	19 43	10.2	24.82	6.1... 7.0	1832.21	Σ 4	*Yel'sh wh.: wh.*
7163	H 250	....	7 42	36 52	125±	20±	9 ...11	1820+	H	Place from H (II)
7164	Sh 195	*Librae* 97	7 42	−17 59	141.0	49.04	7 ... 9	1823.27	Sh 1	
7165	♅ V. 125	DM (28°) 2412, 2411	7 42	28 23	234.4	33.88	....	1783.64	♅ 1	
7166	A 691	A. G. Nico. 3891	7 49	− 0 53	225.0	0.09	7.5... 8.0	1904.27	A 1	
7167	Σ 1921	DM (39°) 2845	7 51	39 7	283.7	30.32	7.0... 7.2	1830.72	Σ 3	*White*
7168	H 469	....	7 59	32 12	60±	4±	15 ...16	1820+	H	
7169	H 1269	W^1 XV^h. 105	8 2	2 10	255±	18±	8–9...12	1828+	H	(See p. 1077)
7170	H 1270	DM (7°) 2918	8 8	7 17	155±	12±	9 ...10	1828+	H	
7171	Σ 1923	DM (14°) 2850	8 10	14 54	12.5	4.80	8.5... 9.2	1829.99	Σ 3	8.5 *yel.*
7172	Σ 1922 *rej.*	....	8 10:	6 18:	....	III–IV	9 ...11	....	Σ	
7173	A 15	SD (4°) 3838	8 27	− 4 12	286.7	4.82	9.0...11.2	1899.48	A 3	(*A. N.* 3635)
7174	β 350	B. A. C. 5020	8 29	−27 9	163.2	1.31	6.5... 8.0	1876.52	Hl 2	
7175	See 222	Cord. 15^h. 592	8 45	−30 17	326.6	13.47	9 ...12.5	1897.49	See 1	
7176	H 2770	....	8 50	47 17	148.4	14±	10 ...11	1830+	H	"Neat"
7177	Ho 60	L 27803	8 50	35 20	33.3	0.38	7.5... 7.6	1885.04	Ho 3	
7178	See 223	Cord. 15^h. 599	8 51	−30 8	278.3	8.84	9 ...	1897.49	Cg 1	
7179	Σ 1924	W^2 XV^h. 164	8 56	26 12	307.8	15.09	8.5... 9.7	1831.57	Σ 2	8.5 *wh.*
7180	Σ 1933 *rej.*	DM (79°) 459	9 9	79 31	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
7181	OΣ 292 *rej.*	L 27811	9 11	32 14	....	....	5 ... 7–8	....	OΣ	
7182	H 2771	DM (54°) 1735	15 9 12	54 28	283.9	30±	8–9...12	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7183	Σ 1928	SD (72°) 672	15^h 9^m 27^s	72°54′	277°6	6″58	8.5... 9.2	1832.27	Σ 4	8.5 *yel'sh wh.*
7184	Σ 1927	O. Arg. N. 15215	9 29	62 18	353.9	16.10	7.1... 8.0	1832.11	Σ 4	*White*
7185	Σ 3091	SD (4°) 3847	9 44	− 4 27	227.3	0.5±	7.7... 7.7	1832.39	Σ 4	*Yel.*
7186	OΣ 294	L 27867	9 47	56 30	251.3	3.26	6.8...11.3	1848.59	OΣ 3	
7187	OΣ 293	W^2 XV^h. 183	10 10	22 59	346.6	10.75	7.5...11.0	1847.02	OΣ 3	
7188	Hu 145	DM (53°) 1772	10 16	53 2	129.5	1.94	9.0...12.5	1900.59	Hu 3	(*A. J.* 485)
7189	β 351	O. Arg. S. 14417	10 20	−15 8	303.3	10.36	8.0...11.6	1876.56	Hl 1	
7190	H 570	....	10 20	36 8	315±	3±	11 ...14	1820+	H	
7191	Σ 1926	DM (38°) 2631	10 23	38 45	260.6	1.59	6.1... 8.4	1830.60	Σ 4	*Yel'sh: blue*
7192	OΣ 295	L 27853	10 25	37 17	128.4	0.74	7.4... 9.0	1846.38	OΣ 4	
7193	Σ 1925	SD (7°) 3992	10 28	− 7 50	6.7	4.18	7.8... 9.3	1831.69	Σ 3	7.8 *yel'sh*
7194	Σ 27, App. I	δ *Bootis*	10 40	33 46	78.9	104.87	3.2... 7.4	1835.66	Σ 5	*Yel.: wh.*
7195	β 352	O. Arg. S. 14427	10 42	−26 33	66.9	14.10	7.7... 9.7	1879.40	Cin 2	
7196	Ho 547	W^2 XV^h. 202	10 54	17 15	303.1	5.00	7.9...12	1895.10	Ho 2	(*A. N.* 3557)
7197	See 226	Lac. 6310	11 20	−30 46	70.0	20.38	5.8...14.2	1897.44	See 2	
7198	See 227	Cord. DM (30°) 12115	11 20	−30 43	117.8	7.71	11.2...13.2	1897.43	See 1	
7199	H 2772	O. Arg. N. 15242	11 32	45 18	309.2	10±	9–10...13	1830+	H	
7200	Σ 1929	DM (34°) 2621	11 51	34 6	7.4	6.11	8.6...10.6	1832.92	Σ 4	8.6 *wh.*
7201	β 227	B. A. C. 5039	12 7	−23 50	184.1	1.7±	7.0...10.5	1874.40	β 1	
7202	OΣ (App) 137	Rad^1. 3349	12 11	51 23	107.0	75.79	6.7... 8.5	1876.28	Δ 3	
7203	β 943	L 27885	12 16	1 23	92.5	2.30	6.6...12.2	1879.70	β 4	
7204	A 16	SD (4°) 3858	12 24	− 5 5	350.1	0.38	9.0... 9.0	1899.45	A 3	A and B
					79.4	2.54	...14.3	1899.45	A 3	AB and C
					0.8	14.98	...12.0	1899.45	A 2	AB and D
					209.0	27.28	...14.5	1899.46	A 2	AB and E
7205	H 2773	DM (41°) 2586	12 32	41 51	150.0	20±	9 ...10	1830+	H	
7206	H 5492	DM (14°) 2860	12 36	14 38	245±	15±	9 ...10	1826.2	H	
7207	H 4758	SD (6°) 4173	12 37	− 6 46	77.5	4±	10 ...12	1835.6	H	= Ho 548
7208	β 228	B. A. C. 5041	12 38	−23 50	329.6	1.16	7.5... 7.9	1876.47	Cin 2	
7209	Hu 306	SD (17°) 4300	12 41	−17 54	123.4	0.27	9.5... 9.8	1901.58	Hu 3	(*Bul. L. O.* No. 12)
7210	Σ 1931	W^1 XV^h. 201	12 57	10 52	172.5	13.09	6.2... 7.6	1832.21	Σ 4	*White*
7211	Lv 6	....	13 :	−26 35:	29.6	17.01	8.1... 9.5	1892.38	Lv 2	
7212	Σ 1934	W^2 XV^h. 272	13 10	44 14	45.1	5.30	8.5... 8.5	1830.88	Σ 3	*White*
7213	Σ 1930	5 *Serpentis*	13 10	2 14	41.0	10.07	5.0...10.0	1831.69	Σ 3	5.0 *yel.*
7214	Σ 1932	*Coronae* 1	13 12	27 16	273.8	1.62	5.6... 6.1	1830.28	Σ 4	*Very wh.*
7215	H 2774	....	13 12	25 27	251.3	12±	10 ...12–13	1830+	H	
7216	H 571	....	13 22	35 19	225±	3±	11 ...12	1820+	H	
7217	Ho 61	W^2 XV^h. 274	13 25	35 33	253.3	1.96	8.2...13.0	1886.56	Ho 2	
7218	β 353	Redhill 2307	13 55	85 57	297.0	3.60	9.3... 9.4	1881.48	β 3	
7219	....	o^1 *Librae*	14 19	−15 7	352.1	47.20	6½... 8.7	1903.45	β 3	
7220	♅ V. 27	....	14 42:	− 8 24:	130.3	44.42	....	1782.36	♅	
7221	See 230	Cord. DM (28°) 11305	14 44	−28 52	148.8	3.23	9 ... 9.5	1897.54	Cg 1	
7222	β 32	6 *Serpentis*	14 55	1 9	13.2	2.28	4.7... 9.3	1875.43	Δ 4	
7223	....	L 27966	15 7	−14 44	267.6	33.61	8.3 ...9.2	1903.46	β 2	
7224	H 2776	....	15 16	46 16	313.8	18±	10 ...12	1830+	H	"2′ s of a neb."
7225	♅ V. 132	....	15 18:	−14 40:	....	39.98	....	1783.25	♅	
7226	Σ 1935	W^2 XV^h. 312	15 18	31 8	290.2	8.38	8.5... 8.7	1832.37	Σ 2	*White*
7227	Σ 3092	W^1 XV^h. 246	15 32	− 1 35	165.9	14.10	8.5...11.0	1831.37	Σ 2	8.5 *yel'sh wh.*
7228	See 232	Cord. 15^h. 1042	15 37	−28 34	51.2	8.47	7.8...14.5	1897.54	Cg 1	
7229	H 2775	....	15 38	20 48	95.4	6±	10–11..10–11	1830+	H	
7230	H 251	....	15 38:	36 25:	240±	20±	11 ...11	1820+	H	
7231	Hu 146	DM (21°) 2759	15 39	21 30	171.8	0.25	8.7... 9.0	1900.61	Hu 3	
7232	Hu 307	SD (16°) 4067	15 55	−16 29	2.9	2.98	9.1... 9.5	1901.55	Hu 4	(*Bul. L. O.* No. 12)
7233	Σ 1936	DM (27°) 2478	16 2	27 28	231.9	20.34	8.5... 9.0	1832.20	Σ 5	*White*
7234	Hn 24	....	16 5	−25 30	276.5	3.76	8.6... 8.8	1881.41	β 3	
7235	Ho 62	W^2 XV^h. 314	15 16 5	35 25	283.2	1.02	8.7... 8.7	1886.56	Ho 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7236	Ho 264	W^2 XV^h. 329	15^h 16^m 23^s	16°56′	318°1	0″91	8 ...12	1887.58	Ho 1	
7237	Σ 3093	L 28015	16 27	− 1 6	135.5	33.38	8.0... 9.2	1829.36	Σ 2	8.0 *yel'sh*
7238	A 573	A. G. Bonn 9911	16 33	43 8	165.1	0.50	8.4... 9.8	1903.62	A 3	(*Bul. L. O.* No. 50)
7239	See 233	Lac. 6360	16 51	−26 52	223.7	14.07	7 ...14	1897.47	See 1	
7240	Hu 147	DM (53°) 1774	17 0	53 35	294.2	0.52	9.2... 9.6	1900.49	Hu 3	(*A. J.* 485)
7241	H V. 86	12 *Ursae Minoris*	17 9	71 39	90±	60±	....	1783.26	H	A and B
					90±	60±	....	1783.26	H	A and C
7242	Comstock	O. Arg. S. 14516	17 18	−25 20	14.5	6.00	8.8... 9.2	1888.41	Com 2	
7243	H 2777	W^2 XV^h. 359	17 24	26 3	352.5	30±	7–8...12	1830+	H	(See p. 1077)
7244	H 2779	DM (55°) 1744	17 28	55 45	352.1	12±	7 ...11–12	1830+	H	(= OΣ 542)
7245	OΣ (App) 138	Rad^1. 3367	17 34	60 49	199.2	150.52	7.0... 7.3	1876.44	Δ 3	A and B
					165.2	....	... 8.8	1876.44	Δ 3	A and C
					46.6	....	....	1876.44	Δ 3	B and C
7246	H 4767	Cord. DM (26°) 10860	17 59	−26 20	140.0	30±	8½...11	1834.3	H	
7247	Egbert 4	....	18 :	−26 20:	28.2	16.05	8.5...10.5	1880.40	Cin 1	
7248	A 17	SD (4°) 3880	18 2	− 4 41	238.3	1.44	8.5...13.5	1899.47	A 3	
7249	H 1271	SD (18°) 4057	18 7	−18 11	110±	7±	10 = 10	1828+	H	
7250	H 4768	....	18 8	−19 12	114.9	8±	9½ = 9½	1836.5	H	
7251	Σ 1937	η *Coronae*	18 15	30 43	35.3	1.07	5.2... 5.7	1826.77	Σ 4	*Yel.*
7252	H 4769	L 28062	18 24	−21 30	191.1	12±	8 ... 9	1835.4	H	
7253	Hu 308	SD (15°) 4103	19 2	−15 18	297.9	0.58	9.0...12.1	1901.57	Hu 4	(*Bul. L. O.* No. 12)
7254	H 252	DM (14°) 2869	19 17	14 25	100±	8±	9 ...10	1820+	H	A and B
					95±	20–30	...12	1820+	H	A and C
7255	Hu 148	DM (55°) 1748	19 20	55 42	200.7	1.48	9.0... 9.8	1899.74	Hu 3	(*A. J.* 485)
7256	H 2780	W^1 XV^h. 340	19 42	6 23	158.5	25±	8–9...11	1830+	H	
7257	Hu 309	SD (16°) 4086	19 49	−16 40	51.3	1.49	9.0...10.0	1901.56	Hu 3	(*Bul. L. O.* No. 12)
7258	Σ 28, App. I	μ *Bootis*	19 58	37 48	171.9	108.46	4.0... 6.5	1834.84	Σ 7	
7259	Σ 1938	μ^2 *Bootis*	20 0	37 46	327.0	1.38	6.7... 7.3	1826.77	Σ 2	*Greenish wh.*
7260	Hu 649	DM (50°) 2174	20 10	49 57	49.5	4.51	8.2...13.0	1904.31	Hu 2	
7261	A 18	L 28131	20 18	− 5 14	147.3	0.65	8.6... 9.1	1899.46	A 3	
7262	Σ 1941	DM (27°) 2484	20 37	27 3	232.7	1.61	8.7... 8.7	1832.64	Σ 4	*White*
7263	Σ 1940	P XV^h. 76	20 41	18 36	325.5	1.48	8.2... 8.7	1830.35	Σ 3	*Very wh.*
7264	Σ 1942	W^2 XV^h. 429	20 43	21 53	92.1	9.23	8.5... 9.5	1830.97	Σ 3	
7265	Σ 1939	SD (10°) 4107	20 58	−10 32	134.6	9.32	8.0... 9.0	1830.34	Σ 2	*White*
7266	Hu 149	DM (54°) 1745	21 20	54 38	295.6	0.21	7.1... 7.2	1900.52	Hu 4	(*A. J.* 485)
7267	Innes 239	Cord. G. C. 20954	21 21	−31 3	2.5	0.29	7.5... 8.0	1900.60	I 1	
7268	Sh 202	L 28165	21 40	− 8 55	134.6	51.76	6 ... 7	1823.44	Sh 3	
7269	Σ 1943	DM (5°) 3009	21 41	5 47	153.3	5.28	8.5... 9.0	1833.04	Σ 3	*White*
7270	β 1114	B. A. C. 5090	21 42	−28 27	325.7	0.65	7.0... 7.3	1889.38	β 3	A and B
					5.8	9.21	... 9.8	1889.38	β 3	AB and C
7271	H 4775	SD (19°) 4112	21 47	−19 29	4±	10±	10 = 10	1836.5	H	
7272	Hu 310	SD (14°) 4209	21 47	−14 19	249.7	0.89	9.1...12:7	1901.58	Hu 3	(*Bul. L. O.* No. 12)
7273	Σ 1944	DM (6°) 3048	21 47	6 31	341.6	1.34	7.5... 8.1	1832.40	Σ 4	*White*
7274	Hu 650	SD (18°) 4074	21 52	−18 18	333.7	1.52	8.0...12.5	1902.46	Hu 4	
7275	A 82	DM (24°) 2864	21 53	24 20	322.5	0.80	8.5... 9.3	1900.55	A 3	
7276	OΣ 296	L 28230	22 18	44 26	327.9	1.52	7.0... 8.6	1845.53	OΣ 2	
7277	Σ 1945	DM (15°) 2867	22 26	15 7	273.2	30.70	8.8... 9.5	1830.35	Σ 3	A and B
					280.4	8.75	... 9.5	1830.35	Σ 3	B and C
					27.5	23.12	...14.5	1887.46	Hl 2	A and D
7278	H 2781	....	22 34	49 38	324.1	15±	10 ...11–12	1830+	H	
7279	Σ 1946	DM (39°) 2872	22 44	39 55	345.9	7.40	8.5...10.5	1830.34	Σ 3	
7280	H 4779	SD (6°) 4216	22 47	− 6 34	17.6	18±	9 ...11½	1835.6	H	8.4 in SD
7281	Ku 50	DM (46°) 2068	22 55	46 35	332.3	3.16	9.5... 9.9	1901.38	Ku 2	Kustner (3821)
7282	Hu 150	DM (21°) 2774	23 25	21 3	26.6	4.46	9.0... 9.4	1900.58	Hu 3	(*A. J.* 485)
7283	Σ 1948	DM (55°) 1754	23 26	55 17	50.5	12.24	8.0... 8.7	1830.34	Σ 3	*White*
7284	Σ 1947	DM (38°) 2662	15 23 41	38 46	27.9	6.76	8.3... 8.7	1831.27	Σ 3	*White*

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7285	**H 253**	....	15^h 23^m 50^s	10°52:′	10° ±	15–20″	8 ... 9	1820+	H	
7286	**H 2782**	....	23 59	6 18	277.5	5±	11 ...11+	1830+	H	
7287	**Lewis 13**	....	24 1	46 37:	340.0	2.88	7.5... 9	1900.71	L 1	
7288	**Σ 3125**	DM (67°) 890	24 17	67 29	272.3	2.18	8.7... 9.0	1832.06	Σ 3	
7289	**Ho 393**	SD (18°) 4084	24 21	−18 27	275.3	3.71	9.0...12.9	1891.97	Ho 4	
7290	**H 1272**	....	24 22	− 4 27	130±	2½±	11 ...11+	1828+	H	"Neat"
7291	**H 2784**	DM (50°) 2180	24 40	50 4	226.0	12±	9 ...13	1830+	H	A and B
					15±	20±	...14	1830+	H	A and C
7292	**H 254**	DM (16°) 2791	24 42	16 7	285±	10±	10 ...10+	1820+	H	A and B
					360±	25±	...10½	1820+	H	B and C
					255±	30±	...15	1820+	H	B and D
7293	**β 33, 34**	L 28246	24 43	−12 35	47.5	2.75	8.0...10.3	1875.36	Δ 3	A and B
					56.2	6.58	10.8...10.8	1898.44	A 3	C and D
					138.7	246.5	....	1898.45	A 1	A and C
7294	**S 672**	B. A. C. 5104	24 50	−19 45	283.2	11.47	8 ...10	1825.35	S 2	
7295	**Σ 1950**	*Coronae* 17	24 50	25 55	93.2	3.21	6.7... 8.2	1830.28	Σ 4	*Golden: blue*
7296	**Σ 1949**	DM (13°) 2954	24 59	13 28	213.2	16.37	9.0... 9.2	1828.32	Σ 2	
7297	**Σ 1951** *rej.*	W^2 XV^h. 535	25 18	28 4	310.4	11.83	7.2...11.0	1892.14	Ho 3	(= Ho 394)
7298	**Hu 651**	DM (50°) 2182	25 27	50 52	346.1	1.10	8.2...12.8	1904.31	Hu 2	
7299	**β 944**	L 28326	25 34	48 8	128.5	10.74	6.5...12.5	1879.28	β 2	
7300	**H 1273**	SD (17°) 4361	25 56	−17 31	330±	10±	9–10...10–11	1828+	H	
7301	**See 238**	Lac. 6420	26 3	−24 5	137.8	0.20	7.1... 7.1	1897.50	See 1	B and C
					297.7	9.18	8½... 8½	1825.37	S 2	A and BC
7302	**β 945**	L 28358	26 6	57 51	13.1	16.37	6.8...12.7	1879.28	β 3	
7303	**Σ 1952**	DM (10°) 2868	26 8	10 4	221.9	15.92	7.8... 9.0	1829.71	Σ 3	7.8 *wh.*
7304	**Ho 549**	L 28303	26 8	14 31	70.2	0.44	9 ... 9	1895.41	Ho 2	B and C (*A. N.* 3557)
					133.7	118.75	7 ...	1895.41	Ho 2	A and BC
7305	**H 1274**	....	26 22	42 18	310±	3±	10 ...11	1828+	H	"Neat"
7306	**OΣ (App) 140**	L 28309	26 38	8 59	179.9	111.85	7.8... 8.2	1874.97	Δ 2	
7307	**Σ 1953**	DM (5°) 3033	27 1	5 55	255.1	6.54	8.7... 9.8	1831.04	Σ 3	
7308	**Hu 577**	DM (20°) 3118	27 27	20 9	23.6	0.30	8.0... 8.0	1902.54	Hu 2	(*Bul. L. O.* No. 27)
7309	**H 1275**	....	27 30	− 5 14	55±	10±	10 ...12	1828+	H	
7310	**Σ 1958**	DM (67°) 900	28 20	67 37	339.6	29.90	8.5... 8.8	1831.92	Σ 3	*White*
7311	**Hu 151**	SD (13°) 4200	28 26	−13 16	310.9	1.12	8.4...12.8	1900.40	Hu 3	(*A. J.* 485)
7312	**Hn 122**	Lam. 1868	28 26	−10 7	342.8	2.30	9.4...10.2	1889.46	Com 2	
7313	**Σ 1955**	DM (27°) 2507	28 47	27 7	240.1	7.41	8.7... 9.3	1832.42	Σ 3	A and B AB *wh.*
					42.0	21.75	...12.0	1888.69	T 3	A and C
7314	....	γ *Librae*	28 48	−14 23	151.8	41.31	4.5...11.7	1878.32	β 1	
7315	**H 2886**	W^2 XV^h. 643	28 52	38 52	165.2	15±	8 ...11	1830+	H	(See p. 1077)
7316	**H 2885**	....	29 0	8 25	123.5	16±	10 ...10	1830+	H	
7317	**Σ 1956**	DM (42°) 2617	29 2	42 13	41.4	2.72	8.0... 9.5	1831.53	Σ 3	8.0 *yel'sh wh.*
7318	**Σ 1954**	δ *Serpentis*	29 5	10 56	197.3	2.66	3.0... 4.0	1833.07	Σ 5	*Yel'sh wh.: ashy*
7319	**Hu 746**	DM (32°) 2601	29 39	32 25	215.9	1.88	8.7...13.0	1904.35	Hu 1	
7320	**OΣ 297**	W^2 XV^h. 652	29 40	25 24	147.2	13.31	7.5...11.5	1845.84	OΣ 2	
7321	**See 241**	Cord. DM (23°) 12411	29 44	−23 17	27.3	0.97	7 ...10.5	1897.50	See 1	
7322	**Σ 1959**	W^2 XV^h. 668	29 58	35 10	241.1	1.71	8.7...10.2	1831.58	Σ 3	
7323	**Σ 1957**	DM (13°) 2969	30 13	13 19	163.1	1.41	7.9... 9.6	1831.10	Σ 4	
7324	**Howe 35**	....	30 17	−16 34	330±	4±	9 ... 9.5	1876.03	....	
7325	**See 242**	Cord. G. C. 21164	30 25	−30 51	5.7	0.59	7.0... 9.5	1897.42	See 1	
7326	**Σ 1961**	DM (44°) 2483	30 29	43 56	56.0	21.55	8.7... 9.0	1830.65	Σ 2	
7327	**H 2788**	DM (45°) 2305	30 39	45 18	307.6	70±	8–9... 8–9	1830+	H	
7328	**Ho 63**	DM (28°) 2446	30 46	28 47	301.1	1.04	9.0... 9.2	1885.57	Ho 2	
7329	**H 2787**	....	30 47	−30 35	140.9	12±	10 ...11	1830+	H	
7330	**Σ 1960**	DM (9°) 3072	30 49	9 39	320.1	12.16	9.0... 9.7	1830.30	Σ 2	
7331	**H 1276**	....	30 49	− 0 17	260±	5±	10 ...11	1828+	H	
7332	**OΣ 298**	W^2 XV^h. 716	15 31 46	40 12	181.6	1.20	7.0... 7.3	1846.49	OΣ 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7333	OΣ 299	Rad$^{\text{I}}$. 3419	$15^h\ 32^m\ 7^s$	64°18′	20°9	3″20	7.2... 9.5	1848.34	OΣ 3	*Wh.: olive*
7334	Σ 1962	*Librae* 178	32 11	− 8 24	187.1	11.81	6.3... 6.4	1830.54	Σ 7	*White*
7335	Hu 578	DM (21°) 2792	32 20	21 34	144.7	1.14	9.0...13.5	1902.54	Hu 1	(*Bul. L. O.* No. 27)
7336	β 121	B. A. C. 5163	32 20	−27 15	278.3	1.68	7.7... 7.9	1877.72	Cin 3	
7337	See 243	Cord. 15^h. 2214	32 33	−31 0	27.0	1.09	8 ...10.3	1897.42	See 1	
7338	Σ 3094	L 28492	32 39	− 8 10	295.6	2.38	8.7... 9.2	1831.57	Σ 5	
7339	Howe 36	L 28483	32 42	−20 38	200.9	2.68	8.2... 9.7	1883.39	W 1	
7340	β 122	L 28495	32 59	−19 23	204.0	1.76	7.1... 7.3	1875.45	Δ 4	
7341	Σ 1963	W^2 XV^h. 751	33 1	30 30	291.2	4.23	7.3... 7.7	1829.97	Σ 3	*White*
7342	Weisse 29	W^2 XV^h. 752	33 10	23 4	....	....	8 ...	....	....	
7343	Hn 25	SD (14°) 4256	33 35	−14 8	313.8	1.24	8.8... 9.1	1881.41	β 3	
7344	Σ 1964	W^2 XV^h. 767	33 41	36 38	86.1	15.36	6.8... 7.3	1830.87	Σ 3	A and B } AB *yel'sh*
					8.1	1.34	... 8.8	1830.87	Σ 3	B and C }
7345	Hu 652	DM (49°) 2408	33 49	49 13	172.0	0.77	8.5... 8.8	1904.31	Hu 2	
7346	H 256	....	34 16:	18 10:	95±	2±	....	1820+	H	
7347	Howe 37	SD (14°) 4260	34 20	−14 26	270.2	5.39	9.2... 9.5	1876.90	Δ 2	
7348	A. G. 197	DM (21°) 2798	34 30	21 40	126.6	3.35	9.0... 9.1	1902.54	Hu 1	
7349	OΣ 300	W^1 XV^h. 639	34 30	12 27	260.9	15.20	6.7... 9.8	1848.06	OΣ 3	6.7 *yel.*
7350	Arg. 28	O. Arg. S. 14768	34 30	−29 45	22.9	35.67	8.5... 9.0	1880.35	Cin 1	A and B }
					328.0	60±	...10.5	1880.35	Cin 1	A and C }
					320.1	89.10	... 9.5	1880.35	Cin 1	A and D }
7351	H 2789	Cord. DM (30°) 12458	34 32	−30 20	318.0	25±	9 ...10	1830+	H	8.5 in Cord. DM
7352	Σ 1965	ζ *Coronae*	34 52	37 2	300.8	6.00	4.1... 5.0	1829.70	Σ 5	*Greenish wh.: greenish*
7353	Hu 579	DM (21°) 2802	35 7	21 46	128.6	0.63	8.0...12.5	1902.54	Hu 1	(*Bul. L. O.* No. 27)
7354	Σ 1966	W^1 XV^h. 650	35 26	−10 45	232.5	23.17	9.0... 9.0	1831.40	Σ 3	
7355	Hu 653	SD (19°) 4190	35 27	−19 6	194.4	3.64	8.5...12.8	1902.47	Hu 3	
7356	See 246	O. Arg. S. 14791	35 46	−27 35	310.1	13.91	8 ...14	1897.48	See 1	
7357	Hn 123	SD (21°) 4176	35 56	−21 32	121.8	2.46	8.9... 9.5	1889.46	Com 2	
7358	β 354	O. Arg. S. 14797	36 0	−25 2	285.7	5.17	7.0... 9.0	1876.44	Cin 1	
7359	β 35	B. A. C. 5184	36 1	−15 38	99.2	2.40	7.1... 8.2	1875.44	Δ 4	
7360	Hu 580	ι *Serpentis*	36 12	20 3	71.8	0.21	5.0... 5.0	1902.54	Hu 2	
7361	OΣ (App) 141	Rad$^{\text{I}}$. 3435	36 12	57 51	205.8	91.82	7.0... 9.0	1876.28	Δ 3	
7362	Σ 1972	π^1 *Ursae Minoris*	36 13	80 51	82.9	30.15	6.1... 7.0	1832.60	Σ 5	*Yel'sh*
7363	Perry	DM (31°) 2765	37 5	31 51	121.0	3.1	8.5...14	1881.40	P 1	
7364	Σ 1971 *rej.*	DM (75°) 572	37 13:	75 43	....	Cl. III	8–9...10	....	Σ	From *Cat. Nov.*
7365	A 19	SD (5°) 4151	37 19	− 5 19	339.6	1.26	9.1... 9.2	1899.53	A 3	(*A. N.* 3635)
7366	Hu 654	SD (19°) 4203	37 26	−19 20	355.4	0.95	9.0... 9.0	1902.47	Hu 3	
7367	β 619	*Serpentis* 55	37 34	14 3	359.7	0.58	6.5... 7.0	1878.35	β 2	
7368	Σ 1967	γ *Coronae*	37 42	26 41	111.0	0.72	4.0... 7.0	1826.75	Σ 2	*Greenish wh.: purple*
7369	H 2790	....	37 52	20 17	168.6	12±	11 = 11	1830+	H	
7370	Hu 655	SD (16°) 4154	38 11	−16 20	31.5	2.19	8.5...12.3	1902.47	Hu 3	
7371	Σ 3095	W^1 XIV^h. 705	38 15	−14 48	349.7	2.85	8.3... 9.8	1831.35	Σ 3	8.3 *wh.*
7372	H 1277	α *Serpentis*	38 21	6 48	2±	50±	2 ...14–15	1828+	H	
7373	Hu 478	SD (14°) 4274	38 36	−14 20	337.7	4.12	9.0...11.3	1902.40	Hu 3	(*Bul. L. O.* No. 21)
7374	β 620	O. Arg. S. 14842	38 54	−27 41	166.8	0.86	7.5... 7.5	1878.38	β 1	A and B }
					214.8	40±	8 ... 9	1836.7	H	AB and C }
7375	Σ 1969	DM (60°) 1629	39 1	60 22	43.4	1.46	8.0... 8.7	1831.87	Σ 3	*Yel'sh wh.*
7376	Σ 1968	W^1 XV^h. 725	39 12	− 1 1	93.3	14.06	8.6... 9.6	1831.10	Σ 4	
7377	A. G. 198	A. G. Alb. 5276	39 22	4 55	145.6	2.14	8.5... 9.0	1901.38	β 2	
7378	H 4804	SD (8°) 4070	39 22	− 8 59	102.4	16±	10 = 10	1835.4	H	
7379	H 572	DM (35°) 2722	39 24	35 49	280±	10±	9 ...12	1820+	H	
7380	β 240	W^1 XV^h. 731	39 32	4 24	135.4	2.35	8.5...10.0	1875.90	Δ 4	A and B }
					42.1	27.88	...11.5	1880.46	β 1	A and C }
7381	Pritchett	DM (36°) 2640	40 12	35 59	45.1	3.94	....	1881.52	Pt 1	
7382	Σ 1980	Redhill 2358	40 22	81 27	53.9	10.01	8.5... 9.0	1832.29	Σ 2	*Very wh.*
7383	H 2791	DM (39°) 2909	15 40 28	38 55	122.0	10±	9 ...14	1830+	H	(See p. 1077)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7384	H 1278	SD (15°) 4186	$15^h\ 40^m\ 29^s$	−15°48′	140° ±	25″ ±	8–9...10–11	1828+	H	
7385	H 4807	SD (20°) 4323	40 30	−20 52	357.3	12±	8 ...15	1836.5	H	
7386	Σ 1970	*β Serpentis*	40 39	15 48	265.0	30.64	3.0... 9.2	1832.14	Σ 4	3.0 *bluish wh.*
7387	Innes 90	Lac. 6530	40 43	−25 37	10±	1±	7.4...10.4	1896.7	I 1	
7388	Ho 396	....	41 3	−22 50	171.9	1.91	9.7... 9.7	1892.01	Ho 2	
7389	Σ 3096	SD (4°) 3976	41 33	− 4 57	85.6	3.15	9.0... 9.0	1831.35	Σ 3	
7390	Σ 1975 *rej.*	O. Arg. N. 15634	41 46	67 27	....	Cl. IV	7 ...11	....	Σ	
7391	Σ 1973	DM (36°) 2645	41 56	36 49	323.4	30.59	7.3... 8.5	1829.41	Σ 3	*White*
7392	OΣ 301	Rad^I. 3448	42 8	42 50	30.4	3.93	7.0...10.6	1849.07	OΣ 4	7.0 *yel.*
7393	Hu 657	DM (51°) 2028	42 16	51 3	122.3	0.54	8.5... 8.8	1904.31	Hu 2	
7394	Σ 1976	O. Arg. N. 15638	42 33	59 48	71.8	18.81	8.2... 8.2	1831.12	Σ 3	*White*
7395	A 20	SD (4°) 3982	42 56	− 4 36	232.9	0.77	8.0...11.1	1899.60	A 3	A and B } (*A. N.* 3635)
					24.9	7.72	...14	1899.57	A 3	A and C
7396	Σ 1974	L 28787	42 56	− 2 52	166.0	2.61	8.5... 8.7	1831.35	Σ 3	*White*
7397	Hu 152	DM (52°) 1905	43 41	52 21	246.8	3.53	7.8...11.5	1900.47	Hu 3	(*A. J.* 485)
7398	Σ 3126	W^1 XV^h. 818	43 49	− 2 49	282.3	2.44	9.2... 9.2	1833.40	Σ 3	
7399	H 573	DM (41°) 2638	44 19	40 59	80.1	15±	10 ...11	1830+	H	
7400	Σ 3097	W^1 XV^h. 830	44 26	− 8 40	181.0	3.97	8.8... 9.2	1831.35	Σ 3	
7401	Σ 1977	L 28864	44 29	25 50	357.5	14.05	7.7... 9.7	1831.60	Σ 2	7.7 *yel'sh*
7402	β 946	B. A. C. 5248	44 44	55 45	152.0	1.31	5.2...10.9	1879.28	β 3	
7403	Ho 397	Cord. G. C. 21489	44 48	−29 31	88.1	29.28	6.5...13	1892.01	Ho 2	
7404	β 415	O. Arg. N. 15675	44 50	65 57	336.8	12.72	8.5...11.5	1876.39	Δ 1	A and B
					357.6	30.82	...12.0	1876.39	Δ 1	A and C
7405	A 21	SD (5°) 4182	45 18	− 5 37	181.2	0.54	8.5...10.2	1899.57	A 3	(*A. N.* 3635)
7406	Hu 153	SD (12°) 4353	45 19	−12 10	79.7	0.33	7.8... 8.0	1900.43	Hu 3	(*A. J.* 485)
7407	Σ 1978	DM (15°) 2919	45 22	15 2	235.2	15.25	8.5... 9.0	1831.37	Σ 2	*White*
7408	Σ 1979	L 28888	45 26	22 50	247.4	9.42	8.5... 9.1	1832.05	Σ 4	*White*
7409	H 2792	....	45 28	31 36	358.0	12±	11 ...12	1830+	H	
7410	Skinner 9	SD (16°) 4169	45 32	−16 52	274.1	2.01	8.5... 8.7	1901.46	β 2	
7411	H 574	W^2 XV^h. 1109	45 35	32 46	268±	7±	9 ...11	1820+	H	
7412	H 1279	....	45 45	− 5 32	175±	15±	10 ...13	1828+	H	
7413	Σ 1982	DM (43°) 2532	45 48	43 9	301.2	4.68	8.7... 8.9	1831.56	Σ 4	*White*
7414	β 621	W^2 XV^h. 1130	45 55	44 53	75.1	0.5±	7.5... 8.0	1878.48	β 1	
7415	Σ 1981 *rej.*	DM (25°) 2980	46 13	25 29	....	III–IV	8 ...10	....	Σ	From *Cat. Nov.*
7416	Σ 1989	π^2 *Ursae Minoris*	46 13	80 20	24.1	0.71	7.1... 8.1	1832.68	Σ 3	*Very wh.*
7417	H 2793	....	46 20	8 26	141.4	4±	13 = 13	1830+	H	"Among several"
7418	β 36	2 *Scorpii*	46 24	−24 58	277.6	2.47	6.0... 8.0	1877.37	Cin 1	
7419	Ho 398	DM (0°) 3420	46 36	0 0	36.4	8.62	8.5...12.0	1892.01	Ho 2	
7420	H 2794	W^2 XV^h. 1136	46 44	20 37	113.2	25±	9 ...11	1830+	H	A and B } "Very difficult." (See p. 1077)
					64.3	25±	...17	1830+	H	A and C
7421	β 810	W^2 XV^h. 1156	46 55	42 50	93.2	1.09	8.5...11.2	1881.32	β 3	
7422	Σ 1983	DM (35°) 2739	47 27	35 49	77.0	17.44	8.7...10.8	1830.60	Σ 3	8.7 *yel.*
7423	H 2795	....	47 28	31 41	21.3	10±	11 = 11	1830+	H	
7424	Hu 747	DM (20°) 3162	47 34	20 22	114.2	2.43	9.0...13.0	1904.27	Hu 1	
7425	Σ 3099	W^1 XV^h. 887	47 55	−13 20	112.2	1.88	8.7... 9.9	1831.10	Σ 4	
7426	H 575	....	47 56	40 45	210±	8±	12 = 12	1820+	H	
7427	H 2796	....	47 57	19 53	145.0	13±	10–11...13	1830+	H	
7428	Σ 1984	DM (53°) 1816	48 1	53 16	273.8	6.53	6.2... 8.5	1830.72	Σ 4	6.2 *wh.*
7429	H 1280	DM (39°) 2929	48 43	39 33	350±	18±	9 ...12	1828+	H	
7429½	A. G. 199	DM (52°) 1913	48 47	52 55	255.2	9.30	8.8... 8.9	1900.37	Es 2	
7430	Σ 3100	SD (8°) 4105	49 2	− 8 32	248.6	5.89	8.9...10.7	1831.17	Σ 5	
7431	See 251	*ρ Scorpii*	49 29	−28 52	98.3	38.41	3.2...13.7	1897.48	See 1	
7432	H 4820	O. Arg. S. 15039	49 30	−30 36	146.0	20±	9 ... 9+	1837.5	H	
7433	Σ 1985	W^1 XV^h. 917	49 42	− 1 49	326.6	5.42	7.0... 8.1	1831.95	Σ 4	*Yel'sh wh.: ash*
7434	Σ 1986	DM (10°) 2925	49 46	10 27	94.4	14.39	8.2... 8.8	1831.33	Σ 3	*White*
7435	H 2797	DM (30°) 2724	15 50 12	30 13	93.4	18±	10 = 10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7436	Hu 658	DM (51°) 2038	15^h 50^m 13^s	51°48′	340°0	2′38	8.3...13.0	1904.31	Hu 2	
7437	H 1281	L 28977	50 17	−15 41	215±	18±	6–7...20	1828+	H	
7438	OΣ 302	L 29039	50 22	34 43	51.2	28.61	7.0... 9.0	1846.54	OΣ 3	
7439	Ho 399	L 29040	50 35	29 53	117.5	2.31	7.5...10.0	1891.49	Ho 2	
7440	Σ 1988	W^1 XV^h. 950	51 8	12 50	266.3	2.91	7.5... 8.2	1830.05	Σ 3	*Very wh.*
7441	Σ 1987	P XV^h. 220	51 15	3 45	324.0	10.27	7.2... 8.7	1831.91	Σ 2	*White: ash*
7442	H VI. 94	λ *Coronae*	51 25	38 18	56.8	95.23	....	1783.65	H 1	
7443	H 2798	....	51 35	17 48	35.4	6±	11 ...11+	1830+	H	
7444	β 622	π *Scorpii*	51 36	−25 46	132.6	49.99	6 ...12	1878.40	β 1	
7445	H 2799	W^2 XV^h. 1262	51 39	20 23	315±	15±	8 ... 18	1830+	H	"P est. from diagram"
7446	A 22	SD (2°) 4080	51 44	− 2 49	218.8	4.88	8.7...13.0	1899.50	A 2	(*A. N.* 3635)
7447	H 1282	DM (−1°) 3121	52 2	− 1 15	132±	10±	10 ...12	1828+	H	
7448	Σ 1997 *rej.*	DM (78°) 530	52 10:	78 7	....	III–IV	8–9...10–11	....	Σ	From *Cat. Nov.*
7449	Sh 213	SD (19°) 4275	52 10	−19 36	322.2	19.89	7½... 7¾	1823.38	Sh 1	
7450	H 577	W^2 XV^h. 1294	52 21	35 51	23±	6±	9 ...10	1820+	H	
7451	H 258	DM (36°) 2667	52 26	36 33	255±	15±	9 ...10	1820+	H	
7452	H 2800	DM (30°) 2727	52 33	30 24	220.8	15±	9 ...11–12	1830+	H	
7453	A.G.Clark 7	ε *Coronae*	52 37	27 14	352.7	2.17	4 ...12	1877.62	Hl 4	
7454	Σ 3101	L 29070	52 39	− 2 44	60.3	2.04	8.2... 8.5	1831.85	Σ 4	*Yel'sh wh.*
7455	H 578	....	52 50	32 52	170±	3–4	14 ...15	1820+	H	"Very delicate"
7456	H 1283	....	52 54	0 55	130±	15±	10 ...11	1828+	H	
7457	See 255	O. Arg. S. 15096	52 55	−25 50	20.7	11.95	7.2...14	1897.54	Cg 1	A and B
					342.4	15.77	... 9.2	1897.54	Cg 1	A and C
7458	Hn 125	SD (19°) 4276	53 9	−20 4	289.0	3.06	9.5...10.0	1889.48	Com 3	
7459	Σ 1991	DM (42°) 2653	53 21	42 0	202.1	3.12	8.2... 9.5	1831.55	Σ 3	8.2 *wh.*
7460	Σ 1996	O. Arg. N. 15785	53 26	57 38	109.4	19.15	8.7... 9.0	1830.36	Σ 3	*Yel'sh*
7461	Σ 1990	DM (22°) 2905	53 43	22 8	59.0	56.17	8.0... 8.5	1832.50	Σ 2	A and B 8.0 *yel'sh*
					209.0	3.84	... 8.5	1831.54	Σ 3	C and B
7462	Hn 126	SD (20°) 4379	53 45	−20 6	35.7	2.31	9.0...11.0	1889.46	Com 2	
7463	See 257	Cord. 15^h. 3750	53 49	−28 0	338.7	6.82	7.2...12	1897.54	Cg 1	
7464	Σ 2002 *rej.*	DM (83°) 452	54 :	83 39	....	Cl. IV	8 ... 9	....	Σ	From *Cat. Nov.* (See p. 1077)
7465	See 260	Cord. 15^h. 3786	54 20	−28 7	21.5	6.70	7.9... 9	1897.54	Cg 1	
7466	Σ 1993	W^2 XV^h. 1331	54 22	17 43	37.7	33.96	8.2... 8.2	1831.76	Σ 3	*White*
7467	See 261	Cord. 15^h. 3794	54 25	−27 58	14.6	10.73	8 ...14	1897.54	Cg 1	
7468	H 1284	....	54 31	− 0 9	190±	16±	10 ...14	1828+	H	
7469	Σ 1994 *rej.*	....	54 31:	17 40:	....	Cl. IV	8 ...10	....	Σ	
7470	H 4826	Cord. DM (29°) 12193	54 36	−29 22	78.1	2±	10 = 10	1834.3	H	
7471	Σ 1992	W^1 XV^h. 1012	54 36	12 1	329.9	5.71	8.7... 9.2	1831.33	Σ 3	*White*
7472	β 623	L 29127	54 51	− 6 38	238.4	0.97	8.0... 9.0	1878.45	β 1	
7473	Ho 400	W^2 XV^h. 1359	54 54	16 1	132.9	9.82	8.0...13	1893.48	Ho 2	
7474	Σ 1995	DM (15°) 2941	54 54	14 57	309.6	16.02	8.3... 9.3	1831.41	Σ 3	8.3 *wh.*
7475	Hu 659	DM (49°) 2443	55 3	49 19	243.2	0.40	9.0...11.0	1904.31	Hu 2	
7476	β 37	Cord. DM (24°) 12474	55 15	−24 15	39.1	2.85	8.5... 9.5	1879.39	Cin 1	
7477	OΣ 303	L 29160	55 18	13 37	111.4	0.60	7.4... 7.9	1846.78	OΣ 3	
7478	β 38	L 29136	55 39	−24 41	350.4	4.08	8.0...10.5	1877.53	Cin 1	
7479	H V. 75	DM (26°) 2767	56 5	26 30	106.0	41.20	....	1783.22	H 1	
7480	S 676	ρ *Coronae*	56 28	33 40	125.1	79.19	6 ...15	1825.48	S 3	
7481	H 579	DM (38°) 2719	56 30	38 6	95±	15±	9 ...11	1820+	H	
7482	OΣ 304	L 29226	56 40	39 31	173.8	10.73	6.5...10.7	1847.44	OΣ 3	
7483	A. G. 200	A. G. Lund 6593	56 56	39 56	210.9	3.21	9.3... 9.5	1904.29	β 2	
7484	Σ 2001	DM (42°) 2663	57 10	42 10	169.6	11.57	8.7...10.5	1829.66	Σ 2	
7485	Hu 154	DM (54°) 1787	57 28	54 18	270.3	1.46	7.8...11.8	1900.47	Hu 3	(*A. J.* 485)
7486	Σ 2000	DM (14°) 2984	57 28	14 20	230.1	2.52	8.2... 9.0	1830.05	Σ 3	*White*
7487	Σ 1998	ξ *Scorpii*	57 46	−11 3	356.0	1.15	4.9... 5.2	1825.47	Σ 3	A and B AB *yel'sh wh.*
					78.6	6.75	... 7.2	1825.48	Σ 4	AB and C C *bluish wh.*
7488	Σ 1999	W^1 XV^h. 1064	15 57 50	−11 7	102.2	10.47	7.4... 8.1	1831.14	Σ 7	*Wh.: yel'sh wh.*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7489	**Σ 2003**	L 29248	15^h 58^m 0^s	11°46′	171°.1	13″.96	7.0...11.0	1831.31	Σ 2	7.0 *yel.*
7490	**Σ 2006**	DM (59°) 1694	58 1	59 16	204.5	1.61	7.5... 9.2	1830.95	Σ 3	A and B AB *yel'sh: wh.*
					223.7	43.54	... 7.7	1830.62	Σ 2	A and C
7491	**Σ 2004**	L 29282	58 21	29 11	278.4	1.76	8.7... 9.7	1830.87	Σ 3	
7492	**H 580**	W^2 XV^h. 1462	58 28	37 25	15±	18±	9 ...12	1820+	H	
7493	**β 947**	β *Scorpii*	58 28	−19 29	88.4	0.91	2 ... 9.7	1880.06	β 5	A and B
					26.5	13.65	... 6	1823.28	Sh 1	A and C
7494	**Hn 127**	SD (20°) 4395	58 35	−20 10	131.1	2.00	9.0...11.5	1889.46	Com 2	
7495	**β 948**	*Librae* 213	59 20	− 5 58	150.5	1.46	6.8... 9.5	1879.59	β 4	A and B
					233.7	28.54	...10.4	1879.42	β 2	A and C
					192.7	52.27	...10.8	1879.42	β 2	A and D
7496	**H 581**	DM (32°) 2670	59 40	32 45	50±	10±	10 = 10	1820+	H	
7497	**Σ 2009**	DM (60°) 1646	59 58	60 49	304.6	16.94	8.2...10.0	1830.22	Σ 2	8.2 *yel'sh*
7498	**β 811**	W^2 XV^h. 1500	16 0 4	22 30	221.6	3.49	8.1...12.1	1881.31	β 3	
7499	**A. G. 201**	DM (49°) 2452	0 12	49 17	254.8	8.19	9.3... 9.4	1900.38	Es 3	
7500	**Σ 2007**	DM (13°) 3064	0 27	13 39	328.2	31.97	6.5... 8.0	1830.14	Σ 3	*Yel'sh: wh.*
7501	**Σ 2013** *rej.*	DM (76°) 581	0 47	76 49	....	Cl. IV	8 ... 8	....	Σ	9.1 in DM
7502	**β 39**	11 *Scorpii*	0 57	−12 25	256.5	3.35	6.1...10.4	1875.71	Δ 4	
7503	**H IV. 115**	....	1 12:	42 20:	41.2	20.9	....	1783.26	H 1	
7504	**Σ 2008**	W^1 XV^h. 1145	1 21	− 2 20	58.4	8.77	8.5... 9.2	1831.85	Σ 4	8.5 *yel'sh wh.*
7505	**β 812**	W^2 XV^h. 1553	1 42	17 13	127.4	0.87	8.2... 8.3	1881.31	β 3	
7506	**β 949**	L 29365	1 54	− 9 47	197.8	0.62	7.6... 7.7	1880.25	β 4	
7507	**Hu 155**	SD (12°) 4431	1 58	−12 25	62.2	0.84	9.0... 9.1	1900.47	Hu 3	(*A. J.* 485)
7508	**A. G. 202**	DM (48°) 2360	2 1	47 59	284.4	21.42	9.1... 9.2	1900.41	Es 2	
7509	**Glasenapp 4**	....	2 6:	−27 39:	288.0	56.77	8.6... 9.8	1890.49	Gla 1	
7510	**Glasenapp 5**	....	2 18:	−27 38:	231.5	29.32	8.0...10.2	1890.49	Gla 1	
7511	**H 4834**	Cord. DM (27°) 10818	2 24	−27 48	20±	20±	9 = 9	1834.3	H	
7512	**Weisse 30**	W^2 XVI^h. 2	2 27	20 42	224.7	12.17	8.4... 9.2	1901.36	β 2	
7513	**Hu 660**	SD (20°) 4417	2 34	−20 18	88.3	1.80	8.2...12.0	1902.47	Hu 3	
7514	**Σ 2010**	κ *Herculis*	2 40	17 22	9.6	31.21	5.0... 6.0	1832.60	Σ 4	*Yel.*
7515	**OΣ (App) 142**	Rad^1. 3499	2 45	60 22	265.9	104.84	7.2... 9.0	1875.66	Δ 3	
7516	**Σ 2011**	DM (29°) 2774	2 48	29 19	64.5	2.45	7.2... 9.8	1829.63	Σ 3	7.2 *wh.*
7517	**H 582**	....	2 48	35 27	230±	10±	10 ...15	1820+	H	
7518	**H 259**	....	3 :	36 8:	150±	10±	12 ...13	1820+	H	
7519	**Hd 141**	....	3 :	−30 41:	353.4	4.17	6.0... 8.5	1868.67	Hd 1	
7520	**H 1286**	DM (7°) 3104	3 14	7 39	155±	14±	10 ...12	1828+	H	A and B
					215±	17±	...15	1828+	H	A and C
7521	**Arg. 29**	O. Arg. N. 15920	3 17	56 57	140.9	27.87	7.5... 8.5	1879.33	Cin 1	
7522	**Σ 2020** *rej.*	O. Arg. N. 15953	3 27	76 35	....	Cl. IV	8-9...10	....	Σ	
7523	**A. G. 203**	DM (20°) 3216	3 27	20 43	....	....	9.2...	....	....	
7524	**Σ 2034**	Redhill 2424	3 28	83 58	115.0	1.41	7.5... 8.0	1831.86	Σ 3	*Yel'sh*
7525	**Σ 2012** *rej.*	L 29435	3 32	− 7 56	256.7	20±	8½...11	1836.3	H	
7526	**Ho 550**	W^2 XVI^h. 61	3 50	25 15	301.4	14.70	8.5...12.7	1897.51	Ho 2	(*A. N.* 3557)
7527	**β 355**	L 29506	4 14	45 42	279.3	0.34	7.8... 8.0	1876.34	Δ 5	A and B
					316.0	26.88	...12	1905.68	β 1	AB and C
7528	**Hu 156**	SD (11°) 4086	4 16	−11 45	84.9	3.02	8.8...12.2	1900.40	Hu 3	(*A. J.* 485)
7529	**Σ 2014**	DM (40°) 2971	4 28	40 22	91.0	8.19	7.8...10.3	1830.35	Σ 3	7.8 *yel'sh wh.*
7530	**β 40**	O. Arg. S. 15343	4 29	−27 14	352.7	5.02	8.0... 9.5	1877.00	Cin 2	
7531	**β 1087**	τ *Coronae*	4 35	36 48	169.1	3.11	5.5...13.8	1889.21	β 3	
7532	**H 4839**	12 *Scorpii*	4 51	−28 6	84.5	3±	7½...10	1834.3	H	
7533	**β 120**	ν *Scorpii*	5 1	−19 9	360.0	0.73	4.2... 6.7	1876.35	Δ 8	A and B
					39.0	1.11	7.0... 8.0	1846.58	Mh 2	C and D
					334.9	38.33	....	1782.30	H 1	AB and C
7534	**Σ 2015**	DM (45°) 2377	5 10	45 40	159.3	2.68	7.7... 8.8	1829.99	Σ 3	*Very wh.: bluish wh.*
7535	**OΣ (App) 143**	Rad^1. 3509	5 15	70 35	84.4	46.91	6.3... 8.2	1875.66	Δ 3	
7536	**Hu 479**	DM (21°) 2880	16 5 32	21 3	259.0	1.97	8.6...12.8	1902.40	Hu 3	(*Bul. L. O.* No. 21)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7537	H 1288	SD (16°) 4246	16^h 5^m 50^s	−16°26′	130° ±	15″ ±	10 ...11	1828+	H	
7538	Glasenapp 6	....	5 53:	−27 22:	281.5	46.11	9.2... 9.4	1890.52	Gla 1	From Glasenapp (I)
7539	H 1289	....	6 24	39 47	65 ±	6 ±	10–11=10–11	1828+	H	
7540	Σ 2016	W^1 XVI^h. 85	6 28	12 13	148.9	6.91	8.3... 9.7	1830.76	Σ 3	8.3 *wh.*
7541	H 583	....	6 28	36 23	310 ±	5 ±	11 ...14	1820+	H	
7542	Σ 2017	DM (14°) 3012	6 37	14 52	249.7	25.03	7.7... 8.4	1831.42	Σ 6	*Yel'sh: wh.*
7543	OΣ 307 *rej.*	O. Arg. N. 15977	7 1	48 7	201.4	17.77	7.2...10.2	1851.73	Ma 1	7.2 *yel.*
7544	OΣ 305	L 29584	7 5	33 39	262.1	5.32	5.8... 9.8	1852.34	OΣ 5	5.8 *very yel.*
7545	Σ 2018 *rej.*	SD (7°) 4234	7 10	− 7 20	355.4	19.49	8.4... 9.1	1901.40	β 3	
7546	OΣ 306	L 29594	7 19	34 42	55.9	0.37	7.2... 8.7	1846.56	OΣ 4	
7547	Ho 551	W^2 XVI^h. 191	7 27	26 44	81.0	6.37	7.5...12	1897.51	Ho 3	(*A. N.* 3557)
7548	H 260	....	7 29:	37 43:	45 ±	15 ±	10 ...11	1820+	H	
7549	Σ 2025	L 29630	7 39	47 52	164.3	2.77	7.6...10.9	1830.64	Σ 4	7.6 *yel'sh*
7550	Σ 2019 *rej.*	SD (10°) 4276	7 42	−10 7	109.2	19.11	9 ...12	1862.7	....	
7551	Σ 2021	49 *Serpentis*	7 42	13 51	315.5	3.20	6.7... 6.9	1829.48	Σ 3	*White*
7552	Σ 2022	DM (27°) 2603	7 48	26 59	129.5	2.77	6.2... 9.8	1830.56	Σ 3	6.2 *very wh.*
7553	Σ 2024 *rej.*	*Herculis* 32	7 49	42 41	....	Cl. IV	6 ...11	....	Σ	
7554	Σ 2023	DM (5°) 3169	8 36	5 50	235.9	1.55	8.0... 9.0	1832.41	Σ 4	*Yel'sh*
7555	Σ 2030	DM (41°) 2680	8 38	41 5	238.4	5.48	7.5...10.8	1831.53	Σ 3	7.5 *wh.*
7556	Σ 2029	DM (29°) 2792	8 58	29 2	187.5	6.29	7.5... 9.3	1830.87	Σ 3	7.5 *wh.*
7557	H 1290	....	9 7	− 0 28	105 ±	10 ±	10 ...11	1828+	H	
7558	Σ 2027	DM (4°) 3144	9 19	4 34	75.2	1.98	8.2... 8.2	1831.38	Σ 3	*White*
7559	See 270	Lac. 6766	9 22	−29 27	138.6	8.31	7 ...13.7	1897.53	Cg 1	
7560	Ho 401	Cord. G. C. 22050	9 39	−34 31	294.3	4.34	7.2... 8.0	1891.99	Ho 2	
7561	Σ 2026	W^1 XVI^h. 161	10 5	7 41	345.9	2.54	8.6... 9.1	1830.94	Σ 4	*Yel.*
7562	Σ 2031 *rej.*	L 29649	10 9	− 1 21	229.9	20.77	7.6... 9.7	1901.39	β 3	
7563	Σ 2032	σ *Coronae*	10 11	34 10	89.3	1.31	5.0... 6.1	1827.02	Σ 4	A and B AB
					234.1	21.19	...12.5	1851.71	OΣ 2	A and C *yel'sh: bluish*
					88.8	43.75	...10.5	1836.69	Σ 3	A and D
7564	Hu 480	DM (20°) 3233	10 16	20 2	250.1	1.59	9.0...10.2	1902.40	Hu 3	(*Bul. L. O.* No. 21)
7565	Σ 2036	DM (72°) 717	10 29	72 52	235.3	2.01	8.8...10.3	1832.28	Σ 3	A and B 8.8 *wh.*
					339.6	12 ±	...16	1831+	H	A and C
7566	H 2801	DM (39°) 2964	10 32	39 12	217.2	20 ±	9–10...11–12	1830+	H	
7567	H 585	W^2 XVI^h. 319	11 18	35 56	....	....	....	1820+	H	
7568	A 348	A. G. Leiden 5741	11 19	29 54	120.4	0.92	8.2...10.5	1902.68	A 2	(*Bul. L. O.* No. 29)
7569	A 23	SD (7°) 4254	11 27	− 7 6	71.7	1.73	9.0... 9.4	1899.55	A 3	(*A. N.* 3635)
7570	Sh 223	υ *Coronae*	11 56	29 27	29.5	55.98	3 ...12.0	1879.32	β 2	A and B
					24.5	88.69	...(13)	1823.36	Sh 2	A and C
					54.9	126.42	...(12)	1823.36	Sh 2	A and D
					222.7	13.23	...10.5	1879.32	β 2	C and E
7571	Σ 2033	W^1 XVI^h. 195	11 56	− 1 59	175.6	10.65	8.5... 8.7	1829.38	Σ 3	*Very wh.*
7572	....	O. Arg. S. 15496	11 57	−30 37	324.3	35 ±	6½... 7	1837.5	H	
7573	H 1291	DM (42°) 2690	12 19	42 0	130 ±	14 ±	9 ...11	1828+	H	
7574	Hu 311	SD (16°) 4269	12 50	−16 12	316.4	1.16	8.5...12.2	1901.59	Hu 2	(*Bul. L. O.* No. 12)
7575	Sh 225	P XVI^h. 45	13 4	−19 46	335.0	47.12	7 ... 7½	1823.42	Sh 3	
7576	Σ 2035	L 29750	13 11	26 9	34.3	2.68	8.7...10.9	1831.00	Σ 4	
7577	Hn 128	O. Arg. S. 15527	13 16	−18 7	248.8	2.07	9.0...10.1	1889.11	Com 3	
7578	Σ 2037	DM (17°) 2999	13 26	17 42	238.2	1.56	9.0... 9.0	1830.76	Σ 3	
7579	Sh 226	P XVI^h. 48	13 29	−19 50	20.5	13.28	8 ... 8¼	1823.45	Sh 2	
7580	H 584	DM (39°) 2975	13 34	39 32	260 ±	12–15	9 ...12	1820+	H	
7581	Sh 224	σ *Scorpii*	13 54	−25 18	271.2	20.59	5 ...10	1822.43	Sh 3	
7582	Ku 52	DM (11°) 2962	14 4	11 11	50.1	9.55	9.6...11.0	1902.48	Ku 1	Kustner (3821)
7583	Σ 3103 *rej.*	W^1 XVI^h. 480	14 24	− 3 40	304.1	24.37	8.8... 9.7	1901.40	β 2	
7584	Hu 157	SD (12°) 4487	14 48	−12 4	263.3	1.25	9.0... 9.2	1900.50	Hu 4	(*A. J.* 485)
7585	A 225	A. G. Camb. 7592	14 55	27 4	106.9	0.18	9.1... 9.2	1901.71	A 3	
7586	β 1297	SD (22°) 4158	16 15 10	−22 21	138.4	1.91	8.7... 9.5	1901.39	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7587	**OΣ 309**	**L 29815**	16^h 15^m 15^s	41° 57′	236°4	0″52	7.5... 7.7	1846.90	OΣ 4	7.5 *yel.*
7588	**H 4847**	....	15 22	−30 47	222.1	6±	10 = 10	1834.6	H	"Very neat star"
7589	**Σ 2041**	**DM (1°) 3212**	15 33	1 31	4.4	3.06	7.3...10.5	1831.46	Σ 3	7.3 *yel.* (= OΣ 308)
7590	**β 624**	**O. Arg. S. 15565**	15 42	−22 50	321.7	1.12	8.0... 9.7	1878.47	β 2	
7591	**Hu 481**	**DM (23°) 2924**	16 8	23 16	227.5	0.51	7.3... 9.2	1902.49	Hu 3	(*Bul. L. O.* No. 21)
7592	**β 1198**	τ *Herculis*	16 8	46 36	145.3	6.57	4 ...13.9	1890.35	β 4	
7593	....	**SD (3°) 3929**	16 14	− 3 58	22.4	99.83	7.6... 8.7	1901.39	β 2	
7594	**A 24**	**SD (7°) 4274**	16 23	− 7 4	329.3	1.22	9.0...11.0	1899.58	A 3	(*A. N.* 3635)
7595	**Hu 662**	**DM (51°) 2077**	16 37	51 51	224.2	4.16	8.5...12.5	1904.31	Hu 2	
7596	**Sh 227**	γ *Herculis*	16 38	19 26	243.8	38.32	3.5... 9.5	1821.85	Sh 2	*White: bluish*
7597	**Ho 402**	**SD (12°) 4497**	16 47	−12 52	227.9	9.08	8.5...12.0	1893.03	Ho 2	
7598	**Hu 482**	**DM (22°) 2962**	16 56	22 35	149.9	1.31	9.0...13.8	1902.49	Hu 3	(*Bul. L. O.* No. 21)
7599	**H 4850**	**B. A. C. 5464**	17 7	−29 25	352.1	4±	7 ... 7½	1834.3	H	
7600	**H 4851**	....	17 7	−22 45	96.9	15±	8 ...11	1837.2	H	
7601	**Ho 403**	**SD (12°) 4501**	17 13	−12 54	166.4	3.50	8.0...13	1903.03	Ho 2	
7602	**Σ 2039** *rej.*	**W^2 XVI^h. 480**	17 15	25 1	10.1	17.98	8.4...10.3	1904.26	β 1	
7603	**β 41**	**DM (61°) 1583**	17 26	61 44	58.9	2.44	9.0...10.7	1875.37	Δ 3	
7604	**Σ 2038** *rej.*	**DM (2°) 3091**	17 29	2 30	214.2	16.45	8.6...10.4	1901.46	β 2	
7605	**Σ 2040**	**DM (14°) 3042**	17 33	14 7	313.8	6.56	8.0...10.0	1831.91	Σ 4	8.0 *very wh.*
7606	**Ħ N. 81**	....	17 42	34 13	220±	....	....	1795.22	Ħ	
7607	**Hn 129**	**SD (17°) 4564**	17 47	−18 3	124.3	2.59	9.8...11.0	1889.15	Com 2	
7608	**Σ 29, App. I**	ν^1 **and** ν^2 *Coronae*	17 50	34 5	236.6	66.39	...10.5	1879.30	β 1	A and *a*
					165.5	371.88	4.8... 5.1	1835.68	Σ 5	A and B } AB *yel.*
					15.6	104.56	...10.0	1879.29	β 2	B and *b*
7609	**β 1115**	**L 29840**	18 13	−23 11	26.3	0.90	8.1... 9.2	1889.39	β 4	
7610	**See 277**	**Lac. 6837**	18 16	−29 39	202.5	0.42	8.0... 9.1	1897.56	See 2	
7611	**Ho 404**	**Cord. G. C. 22343**	18 19	−34 42	103.7	1.09	8.2... 9.0	1892.01	Ho 2	(*A. N.* 3234)
7612	**Ħ V. 38**	23 *Herculis*	18 20	32 37	21.3	36.45	....	1783.02	Ħ 1	
7613	**Sh 228**	5 *Ophiuchi*	18 23	−23 10	2.5	4.06	8 ... 9	1822.45	Sh 1	A and B
					1.0	152.00	....	1846.21	J 1	A and C
					253.8	161.00	....	1846.21	J 1	A and D
7614	**See 278**	**Cord. G. C. 22249**	18 24	−30 57	317.5	0.63	8.8... 8.8	1897.54	Cg 1	
7615	**Σ 2045**	**DM (61°) 1587**	18 39	61 47	183.1	2.47	8.0... 9.2	1832.35	Σ 3	8.0 *yel'sh wh.*
7616	**Ku 53**	**DM (38°) 2765**	18 39	38 33	49.4	5.47	9.7...10.1	1901.47	Ku 2	Kustner (3821)
7617	**β 950**	**SD (9°) 4381**	18 41	− 9 35	355.1	1.18	8.2... 9.3	1880.50	β 5	
7618	**A 25**	**A. G. Berlin 5594**	18 46	20 40	112.4	5.06	7 ...10	1896.47	A 3	
7619	**β 951**	**W^2 XVI^h. 543**	18 59	33 38	57.3	0.98	8.2... 8.7	1879.32	β 2	
7620	**Hn 130**	**SD (18°) 4283**	19 31	−18 13	0.3	1.13	10 ...10	1889.46	Com 1	
7621	**Σ 2047**	**DM (47°) 2334**	19 41	47 54	333.2	2.28	7.5... 8.0	1829.71	Σ 3	*White*
7622	**O. Stone 32**	**O. Arg. S. 15637**	19 49	−26 55	344.0	9.09	8.0...11.0	1880.42	Cin 1	
7623	**Σ 2046**	**DM (64°) 1124**	19 50	64 39	224.0	7.84	8.5... 9.3	1831.31	Σ 3	
7624	**β 625**	ω *Herculis*	19 53	14 19	176.8	1.91	5.0...12.0	1879.21	β 3	A and B
					103.5	33.89	...11.5	1879.05	β 4	A and C
7625	**Σ 2044**	**W^2 XVI^h. 572**	19 54	37 19	346.9	8.54	7.8... 8.0	1830.03	Σ 3	*White*
7626	**Σ 2042** *rej.*	**DM (6°) 3225**	19 56	5 59	108.9	20.35	8.3...11.1	1901.39	β 3	
7627	**Σ 2043**	**DM (17°) 3022**	20 4	17 35	86.7	9.85	7.7...11.0	1830.80	Σ 3	
7628	**Ho 405**	**W^2 XVI^h. 584**	20 16	36 48	342.2	3.42	9.0...12.0	1892.53	Ho 2	A and B
					328.4	13.76	...12.0	1892.53	Ho 2	A and C
7629	**Hu 158**	**SD (11°) 4140**	20 26	−11 49	134.5	0.46	8.8... 9.0	1900.50	Hu 3	(*A. J.* 485)
7630	**OΣ 310**	**W^2 XVI^h. 616**	21 11	38 11	221.3	2.99	7.6...10.2	1854.34	OΣ 4	
7631	....	α *Scorpii*	22 3	−26 10	272.9	2.64	1 ... 7.1	1847.07	Mh 16	*Red: green*
7632	**Σ 2054**	*Draconis* 99	22 12	61 58	7.4	0.90	5.7... 6.9	1832.22	Σ 6	*Yel'sh*
7633	**Σ 2048**	**P XVI^h. 88**	22 20	− 7 52	302.7	4.69	6.3... 9.0	1831.48	Σ 3	6.3 *yel'sh*
7634	**OΣ 312**	η *Draconis*	22 22	61 47	144.0	4.66	2.1... 8.1	1843.71	OΣ 5	2.1 *yel.*
7635	**A 226**	**A. G. Camb. 7657**	16 22 25	27 9	110.2	0.98	8.9...13.4	1901.73	A 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7636	H Σ	L 29996	16^h 22^m 34^s	21°10′	298°8	1′52	...11.0	1887.59	H Σ 1	A and B AC = OΣ 311
					183.8	13.56	7.5...10.3	1845.86	OΣ 2	AB and C
7637	Σ 2049	DM (26°) 2845	22 58	26 15	215.2	1.07	6.5... 7.5	1829.61	Σ 3	*White*
7638	β 813	W^2 XVI^h. 661	23 2	26 48	165.4	0.96	8.4... 8.4	1881.30	β 3	
7639	β 814	W^2 XVI^h. 676	23 9	40 9	322.6	0.36	8.4... 8.7	1881.38	β 3	
7640	β 815	W^2 XVI^h. 686	23 16	43 11	348.4	6.42	8.1...10.4	1881.30	β 3	
7641	H 4859	....	23 19	−28 4	274.5	12±	10 = 10	1834.3	H	
7642	Σ 2052	*Herculis* 71	23 37	18 40	109.7	2.98	7.5... 7.5	1829.52	Σ 3	*White*
7643	Σ 2053 *rej.*	DM (31°) 2853	23 42	31 24	352.0	21.43	8.9... 9.6	1903.40	β 2	
7644	Σ 2051	L 30022	23 44	10 51	18.9	13.46	7.1... 8.6	1832.25	Σ 4	*Yel'sh: bluish*
7645	Σ 3104	L 30000	23 45	−14 17	226.2	8.99	8.5...10.0	1832.13	Σ 4	
7646	Σ 2050	W^1 XVI^h. 424	24 7	−12 52	216.7	5.35	8.0... 9.3	1831.93	Σ 3	8.0 *yel'sh*
7647	H 261	....	24 8:	37 40:	88±	15±	10 ...11	1820+	H	
7648	β 626	φ *Ophiuchi*	24 16	−16 21	35.9	32.46	4 ...12.5	1878.41	β 2	
7649	Σ 2055	λ *Ophiuchi*	24 52	2 15	331.8	0.84	4.0... 6.1	1825.51	Σ 3	*Yel.: bluish*
7650	Hu 663	DM (51°) 2105	24 59	51 51	235.7	2.98	7.0...11.8	1903.31	Hu 2	
7651	Σ 3105	W^1 XVI^h. 447	25 21	− 6 46	57.5	0.62	7.7... 7.7	1835.62	Σ 1	*Yel'sh*
7652	Σ 2066	DM (76°) 605	25 33	76 36	58.4	4.97	9.0... 9.0	1832.59	Σ 3	*White*
7653	Hu 748	DM (51°) 2106	25 40	51 40	83.4	6.04	6.2...12.8	1904.31	Hu 2	
7654	Sh 233	DM (8°) 3216, 3215	25 43	8 33	72.5	59.54	7 ... 8	1823.43	Sh 2	*White: blue*
7655	Σ 2056	W^1 XVI^h. 458	25 44	5 42	318.1	6.04	7.9... 9.0	1831.92	Σ 4	*Wh.: ash*
7656	Ho 64	DM (28°) 2578	25 58	28 0	109.7	4.45	9.7... 9.7	1884.00	Ho 2	
7657	Ho 406	W^2 XVI^h. 748	25 58	26 18	349.7	5.93	8.0...12.8	1893.17	Ho 3	A and B
					21.5	26.28	... 8.5	1892.48	Ho 1	A and C
7658	Σ 2060	DM (57°) 1679	26 9	57 0	246.2	3.67	9.0... 9.0	1830.73	Σ 3	
7659	Hd Zones	L 30078	26 10	0 28	*n*	14±	9 ... 9–10	....	Hd	
7660	Ḫ N. 3	....	26 18:	17 20	....	Cl. IV	....	1784.22	Ḫ	
7661	Σ 2057	DM (19°) 3113	26 18	19 33	264.6	4.94	9.0... 9.2	1830.76	Σ 3	
7662	Ho 407	W^1 XVI^h. 462	26 20	−10 18	217.6	14.02	7.0...12.0	1890.49	Ho 2	
7663	Σ 2058	W^2 XVI^h. 757	26 26	19 34	345.8	1.87	9.0... 9.5	1830.96	Σ 4	
7664	Copeland	DM (61°) 1595	26 27	60 57	72.2	1.69	8 ... 8.5	1897.70	Doo 3	
7665	Σ 2059	DM (38°) 2788	26 43	38 19	209.2	1.24	8.2... 8.3	1829.72	Σ 3	*White*
7666	Hu 484	DM (23°) 2944	26 49	23 28	213.5	2.65	9.0...13.2	1902.48	Hu 2	(*Bul. L. O.* No. 21)
7667	H 4864	SD (6°) 4457	26 49	− 6 19	....	....	9½..13..14	1834+	H	
7668	β 816	31 *Herculis*	27 0	33 46	224.1	4.97	6.3...11.8	1881.30	β 3	
7669	β 817	W^2 XVI^h. 796	27 29	23 29	147.0	1.14	8.2... 8.2	1881.31	β 4	
7670	Ho 552	W^2 XVI^h. 820	28 5	23 22	301.6	17.24	8 ...12	1896.51	Ho 3	(*A. N.* 3557)
7671	Σ 2075	DM (80°) 509	28 7	80 19	309.9	1.16	8.5...11.3	1833.25	Σ 3	
7672	Σ 2063	W^2 XVI^h. 839	28 10	45 51	194.3	16.25	5.7... 8.2	1830.84	Σ 3	5.7 *wh.*
7673	OΣ 313	L 30190	28 30	40 22	162.1	0.80	7.2... 7.8	1847.47	OΣ 5	
7674	Σ 2061	DM (31°) 2864	28 33	31 10	24.7	2.60	7.1... 9.9	1829.66	Σ 4	7.1 *yel'sh wh.*
7675	Σ 2065	DM (40°) 3031	28 36	40 14	218.7	30.49	8.0... 8.7	1830.73	Σ 3	*White*
7676	Σ 2062	DM (8°) 3229	28 42	8 56	112.9	2.30	8.3...10.0	1832.14	Σ 3	
7677	β 818	32 *Herculis*	28 49	30 45	33.5	3.29	6.3...13.5	1881.48	β 3	
7678	Hd 142	....	29 :	−31 15:	27.5	15.22	9.5...13.5	1868.49	Hd 1	
7679	Σ 2064 *rej.*	DM (16°) 2972	29 7	16 28	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
7680	Σ 2067	DM (39°) 3011	29 8	39 10	300.1	2.14	8.5...10.0	1829.45	Σ 4	
7681	H 586	....	29 11	35 16	250±	3±	11 = 11	1820+	H	
7682	Young	O. Arg. N. 16314	29 26	58 1	219.5	1.59	8 ... 9.5	1883.76	Y 1	
7683	β 356	O. Arg. N. 16336	29 42	69 12	118.8	6.85	9.2...11.5	1876.21	Δ 3	
7684	H 4869	....	30 3	−30 43	59.3	10±	9 ... 9	1837.5	H	
7685	β 819	SD (4°) 4133	30 26	− 4 55	230.8	1.59	8.6...11.3	1881.44	β 3	
7686	Σ 2068	DM (47°) 2354	30 28	47 31	257.1	5.46	8.3... 8.3	1830.43	Σ 3	*Very wh.*
7687	Σ 2077 *rej.*	DM (76°) 609	30 29	76 45	....	Cl. III	8 ... 9	....	Σ	From *Cat. Nov.*
7688	H 4872	....	30 54	−27 34	265.5	8±	10 ...11	1834.3	H	"The *p* of two double stars"
7689	H 4875	....	16 31 2	−27 31	275±	8±	10 ...11	1834.3	H	"The *f* of two double stars"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7690	**H 1292**	Cord. DM (24°) 12739	16^h 31^m 3^s	−24°59′	240°±	20″±	9 ... 9–10	1828+	H	
7691	**β 952**	W^2 XVI^h. 938	31 9	37 9	146.1	3.85	8.0...10.3	1880.48	β 3	A and B }
					244.3	2.13	...13.7	1892.24	β 3	B and C }
7692	**Hn 26**	SD (5°) 4325	31 10	− 5 16	4.1	6.99	8.8... 9.0	1881.41	β 3	
7693	**Σ 2069** *rej.*	*Herculis* 109	31 55	34 4	71.8	26.67	6.8...10.4	1901.37	β 3	
7694	**A. G. 204**	A. G. Alb. 5303	32 0	1 53	191.8	2.60	9.0...10.2	1902.46	M 3	
7695	**Σ 2072**	DM (47°) 2358	32 9	47 56	184.6	5.05	8.6... 9.7	1830.83	Σ 4	
7696	**Σ 2070** *rej.*	W^2 XVI^h. 973	32 29	19 48	....	Cl. IV	8 ...10	....	Σ	From *Cat. Nov.*
7697	**H 4879**	SD (17°) 4611	32 30	−17 30	339.9	20±	10 = 10	1836.4	H	"A third star 11 m. near"
7698	**H 4878**	Cord. DM (27°) 11061	32 44	−27 45	1.3	10±	9½ = 9½	1836.5	H	
7699	**β 820**	L 30279	33 8	− 2 52	237.6	4.24	8.0... 9.5	1881.35	β 3	
7700	**Σ 2071**	P XVI^h. 136	33 16	13 55	311.6	25.12	8.7... 9.0	1830.14	Σ 3	
7701	**Σ 2073** *rej.*	DM (16°) 2988	33 18	16 27	....	III–IV	8 ...10	....	Σ	From *Cat. Nov.*
7702	**Σ 30, App. I**	16 and 17 *Draconis*	33 21	53 8	14.7	90.42	5.0... 5.0	1833.39	Σ 6	*White*
7703	**Σ 2078**	17 *Draconis*	33 23	53 10	116.5	3.74	5.0... 6.0	1831.91	Σ 7	*White*
7704	**A 26**	L 30283	33 24	− 3 23	331.2	1.05	8.0...12.5	1899.62	A 3	(*A. N.* 3635)
7705	**OΣ 314**	L 30322	33 39	20 42	233.1	3.66	7.2...10.1	1851.16	OΣ 4	7.2 *yel'sh*
7706	**Hu 485**	DM (23°) 2968	33 45	23 0	277.6	4.56	8.8...13.0	1902.49	Hu 3	(*Bul. L. O.* No. 21)
7707	**Hu 486**	DM (23°) 2969	34 24	22 58	141.5	1.23	9.0...10.0	1902.49	Hu 3	(*Bul. L. O.* No. 21)
7708	**Σ 2080**	DM (38°) 2810	34 26	38 34	29.3	5.61	8.0...11.8	1830.39	Σ 3	8.0 *yel.*
7709	**Σ 2079**	DM (23°) 2970	34 31	23 14	90.9	16.81	7.1... 7.9	1831.26	Σ 5	*White*
7710	**Σ 2076**	W^1 XVI^h. 636	34 34	0 5	328.7	9.10	8.7... 9.8	1832.09	Σ 3	*White*
7711	**Σ 31, App. I**	36 and 37 *Herculis*	34 41	4 27	230.1	69.67	6.0... 7.0	1835.55	Σ 5	*White*
7712	**β 42**	W^2 XVI^h. 1076	35 20	29 15	41.9	7.23	10.0...10.5	1875.10	Δ 3	
7713	**H 587**	DM (37°) 2786	35 23	37 45	300±	7–8	9 ...12	1820+	H	
7714	**Σ 2082**	42 *Herculis*	35 29	49 10	92.3	22.39	4.0...10.7	1828.43	Σ 3	4.0 *very yel. or golden*
7715	**Ho 553**	L 30392	35 50	22 11	182.2	11.80	7.5...12	1897.51	Ho 1	(*A. N.* 3557)
7716	**A 349**	DM (30°) 2860	36 34	30 23	111.8	0.56	9.2...10.0	1902.68	A 3	(*Bul. L. O.* No. 29)
7717	**Σ 2084**	ζ *Herculis*	36 47	31 49	23.4	0.91	3.0... 6.5	1826.63	Σ 5	*Yel'sh: reddish*
7718	**β 1116**	B. A. C. 5600	36 51	−27 14	359.4	1.78	6.7...11.7	1889.39	β 3	
7719	**See 285**	Cord. 16^h. 2556	36 53	−27 13	259.4	14.42	8.3...13.1	1897.48	See 1	
7720	**H 1293**	....	36 54	− 1 39	105±	2½	10 ...10–11	1828+	H	"Neat"
7721	**Hu 487**	DM (22°) 3007	36 58	22 5	26.0	0.50	9.0... 9.0	1902.49	Hu 3	(*Bul. L. O.* No. 21)
7722	**Lewis 14**	....	37 :	44 42:	121.6	5.68	9 ...11	1900.64	L 1	(*M. N.* LXI, 486)
7723	**Σ 2081** *rej.*	L 30416	37 4	3 41	322.0	21.35	7.8...10.5	1901.39	β 2	
7724	**Σ 2083**	W^1 XVI^h. 692	37 13	13 50	336.3	12.58	8.3... 8.8	1830.75	Σ 3	
7725	**Σ 2085**	*Herculis* 130	37 17	21 49	309.0	6.10	7.3... 8.8	1830.34	Σ 3	7.3 *wh.*
7726	**β 953**	O. Arg. N. 16454	37 21	70 2	328.7	0.30	7.8... 8.3	1879.27	β 1	
7727	**See 286**	Cord. G. C. 22633	37 23	−27 14	30.5	11.34	8 ...11.5	1897.48	See 1	
7728	**β 1199**	....	37 23	36 41	239.4	0.88	11.4...12.0	1890.45	β 3	B and C }
					310.3	2.61	10.8...	1890.45	β 3	A and B }
7729	**Σ 2092**	DM (60°) 1691	37 24	60 56	5.9	8.04	7.7... 8.8	1831.10	Σ 3	*White*
7730	**Σ 2087**	W^1 XVI^h. 1151	37 33	23 54	291.8	5.74	8.2... 8.2	1830.71	Σ 3	*White*
7731	**Ħ V. 127**	DM (6°) 3282, 3281	37 48	6 51	289.7	48.67	....	1783.65	Ħ 1	
7732	**H 4886**	....	37 59	− 3 53	94±	3±	12 ...12½	1835.6	H	
7733	**Σ 2086**	L 30443	38 8	− 0 20	157.6	13.55	7.8...10.3	1831.42	Σ 3	7.8 *yel'sh wh.*
7734	**Σ 2091**	DM (41°) 2742	38 13	41 25	302.2	1.29	7.5... 8.0	1830.09	Σ 3	*White*
7735	**OΣ (App) 149**	W^2 XVI^h. 1174	38 19	20 57	135.5	100.08	6.7... 7.3	1875.27	Δ 3	
7736	**Σ 2089**	DM (25°) 3122	38 22	25 22	61.0	2.30	8.0...11.5	1830.57	Σ 3	
7737	**Σ 2088** *rej.*	L 30464	38 40	2 33	....	Cl. IV	8 ...11	....	Σ	
7738	**Σ 2093** *rej.*	η *Herculis*	38 47	39 9	261.1	113.39	3 ...	1879.27	β 1	
7739	**Σ 2094**	W^2 XVI^h. 1201	39 8	23 44	82.8	1.63	7.3... 7.6	1831.41	Σ 5	A and B } AB *yel'sh wh.*
					311.4	25.32	...11.0	1830.50	Σ 3	AB and C }
7740	....	41 *Herculis*	16 39 9	6 19	191.3	163.65	6.2... 9.0	1854.39	OΣ 1	A and B }
					243.8	175.88	... 9.5	1854.39	OΣ 1	A and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7741	Σ 2090 *rej.*	DM (10°) 3058	16^h 39^m 10^s	10° 10′	156°5	20″38	7.8...13.2	1904.24	β 2	A and B
					26.5	66.95	... 9.6	1904.24	β 2	A and C
					31.7	92.87	... 9.3	1904.24	β 2	A and D
7742	Σ 2099	DM (70°) 893	39 15	70 35	218.9	9.45	8.5...11.0	1832.27	Σ 2	
7743	Ku 54	DM (44°) 2603	39 16	44 8	99.3	9.80	8.6...10.1	1901.46	Ku 2	Kustner (3821)
7744	Skinner 10	SD (17°) 4630	39 20	−17 8	86.1	3.57	8.4... 8.5	1901.46	β 2	
7745	A. G. 205	DM (24°) 3048	39 28	24 1	....	....	9.0...	....	....	
7746	Hu 313	SD (17°) 4632	39 41	−17 30	311.7	0.37	9.3...10.5	1901.63	Hu 2	(*Bul. L. O.* No. 12)
7747	Sh 239	43 (*i*) *Herculis*	40 4	8 48	230.9	80.09	....	1821.42	Sh 2	*Red: bluish*
7748	*Δ* 15	W^2 XVI^h. 1256	40 12	43 42	132.7	0.91	8.0... 8.2	1869.74	*Δ* 3	
7749	Σ 2095	46 *Herculis*	40 19	28 35	163.9	4.96	7.0... 9.0	1830.57	Σ 3	7.0 *yel'sh wh.*
7750	A 27	L 30511	40 21	− 2 59	21.7	1.94	7.8...11.7	1899.54	A 3	(*A. N.* 3635)
7751	Σ 2097	DM (35°) 2864	40 28	35 57	89.9	2.14	8.5... 8.7	1829.63	Σ 3	A and B
					5.5	36.84	...12.0	1879.30	β 1	A and C
7752	Σ 2100 *rej.*	O. Arg. N. 16484	40 38	50 53	295.7	22.88	8 ...10	1900.46	Es 2	
7753	H 4887	Cord. DM (28°) 12419	40 44	−28 31	90.0	18±	9½... 9½	1834.3	H	
7754	Hu 664	DM (51°) 2130	40 48	51 46	304.0	0.34	8.0... 8.0	1904.31	Hu 2	
7755	H 1294	L 30509	40 56	−24 19	135±	18±	7 ...17	1828+	H	
7756	Espin 76	DM (50°) 2324	40 58	50 50	47.0	2.5	9.0... 9.5	1901	Es	(*A. N.* 3784)
7757	Σ 2098	W^2 XVI^h. 1267	41 2	30 14	147.2	14.33	8.0... 9.0	1831.06	Σ 2	A and B
					140.4	64.30	... 9½	1825.44	S 1	A and C
					13.8	60±	...15	1825.44	S 1	A and D
7758	Σ 2096	19 *Ophiuchi*	41 7	2 17	92.6	22.25	6.0... 9.3	1832.14	Σ 3	*Wh.: ash*
7759	Σ 2101	W^2 XVI^h. 1282	41 28	35 51	60.2	4.31	6.3... 9.0	1829.60	Σ 3	6.3 *yel'sh wh.*
7760	H 4888	....	41 59	−19 23	310.8	7±	10 = 10	1836.5	H	
7761	Hu 665	DM (21°) 2986	42 3	21 47	141.1	2.42	8.8...13.0	1902.41	Hu 2	
7762	A 227	A. G. Camb. 7818	42 6	27 14	89.6	1.79	9.8...10.0	1901.70	A 3	
7763	β 43	W^1 XVI^h. 785	42 19	2 57	246.5	0.89	8.7... 8.8	1875.22	*Δ* 4	
7764	Weisse 31	W^2 XVI^h. 1305	42 39	25 51	318.1	4.90	8.7... 8.7	1879.38	Cin 3	A and B
					242.8	25.42	...11.0	1879.38	Cin 3	A and C
7765	Ku 55	DM (15°) 3054	43 1	15 2	47.1	2.43	9.5...10.1	1901.46	Ku 2	Kustner (3821)
7766	Σ 2102	DM (21°) 2991	43 35	21 36	276.7	14.00	8.0...10.5	1830.97	Σ 2	
7767	A 574	A. G. Bonn 10742	43 59	43 31	328.0	4.56	9.0...13.8	1903.62	A 2	(*Bul. L. O.* No. 50)
7768	Σ 2103	W^1 XVI^h. 826	44 2	13 28	36.6	5.67	5.2...10.0	1830.47	Σ 3	5.2 *bluish wh.*
7769	Σ 2104	W^2 XVI^h. 1361	44 24	36 8	19.6	5.86	6.2... 8.0	1829.35	Σ 3	*Wh.: ash*
7770	A. G. 206	A. G. Chris. 2532	44 35	67 0	158.3	5.64	9.3... 9.7	1891.62	β 2	
7771	H 1295	....	44 35	−26 27	150±	7±	11 ...12	1828+	H	"In same field"
7772	H 1296	....	44 42	−26 27	220±	10±	....	1828+	H	
7773	See 291	Lac. 7022	44 54	−25 24	6.9	2.64	7.6...13.9	1897.65	See 1	
7774	H 4891	....	45 5	−24 29	129.1	5±	10 = 10	1834.3	H	
7775	Schj. 13	W^1 XVI^h. 844	45 8	4 59	....	....	8 ...	....	....	
7776	Σ 2105	DM (1°) 3322	45 17	1 21	130.4	29.05	8.0... 9.5	1831.55	Σ 2	
7777	OΣ 315	21 *Ophiuchi*	45 20	1 25	173.3	0.87	6.2... 8.1	1844.49	OΣ 2	
7778	Σ 2106	DM (9°) 3287	45 24	9 37	337.5	1.01	6.7... 8.4	1827.31	Σ 5	*Wh.*
7779	β 627	52 *Herculis*	45 43	46 12	309.4	1.83	5.0...10.5	1878.38	β 5	
7780	Σ 2108 *rej.*	DM (55°) 1880	46 4	55 21	....	Cl. I	8 ...10	....	Σ	
7781	H 4895	Cord. DM (28°) 12552	46 25	−28 44	95±	15±	9½...12	1834.3	H	
7782	OΣ 316 *rej.*	Rad^1. 3620	47 4	59 43	349.5	47.25	6.8... 7.8	1867.54	*Δ* 3	
7783	Σ 2107	*Herculis* 167	47 5	28 52	148.6	1.13	6.5... 8.0	1829.01	Σ 3	*Yel'sh: bluish*
7784	A 575	A. G. Bonn 10770	47 7	43 11	130.0	0.70	8.7... 9.4	1903.62	A 2	(*Bul. L. O.* No. 50)
7785	β 821	DM (32°) 2799	47 13	32 3	313.6	1.21	8.4... 8.9	1881.43	β 3	
7786	β 123	O. Arg. S. 16094	47 29	−21 51	203.5	1.67	8.5... 8.8	1877.42	Cin 2	
7787	Ho 408	Cord. DM (23°) 12973	47 56	−23 58	247.4	2.14	9.5... 9.7	1893.54	Ho 2	
7788	Hu 159	SD (11°) 4233	48 9	−11 21	151.7	4.31	8.5... 9.1	1900.50	Hu 3	(*A. J.* 485)
7789	Ho 65	L 30761	48 12	22 53	153.0	1.90	8.0...13	1886.52	Ho 1	
7790	H 4898	....	16 48 21	−26 28	125.0	7±	9 ...12	1834.3	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7791	β 241	*Ophiuchi* 74	16^h 48^m 23^s	−21°22′	337°.9	0′.57	7.0... 7.1	1877.49	Cin 2	
7792	Ku 1	Groom. 2391	48 27	77 43	189.3	2.72	7.0...10.3	1889.21	β 3	
7794	See 311	Cord. G. C. 22915	48 36	−31 7	128.9	3.25	7.5...14.9	1897.47	See 1	
7795	Σ 2109	DM (21°) 2999	48 37	21 22	314.8	5.95	7.0...10.2	1831.50	Σ 3	7.0 *yel.*
7796	Swift	DM (54°) 1841	48 39	53 59	197.2	7.12	8.6...10.2	1902.37	β 2	
7797	Hu 233	SD (11°) 4235	48 48	−11 41	62.6	4.98	8.5...11.5	1900.50	Hu 4	(*A. J.* 494)
7798	Σ 3106	W^1 XVI^h. 912	49 17	− 4 59	246.5	2.35	8.6... 8.6	1831.88	Σ 4	*White*
7799	A 350	A. G. Camb. 7883	49 17	29 18	140.1	0.38	9.0... 9.0	1902.79	A 3	(*Bul. L. O.* No. 29)
7800	OΣ 317	L 30818	49 19	44 36	235.3	15.73	7.2...11.8	1846.71	OΣ 2	
7801	β 1117	24 *Ophiuchi*	49 34	−22 57	264.2	0.70	6.4... 8.5	1889.39	β 4	
7802	A. G. 207	DM (24°) 3080	49 39	24 43	210.9	2.06	9.0...11.5	1902.53	M 4	
7803	Sh 240	P XVI^h. 236	50 1	−19 21	227.3	5.64	6 ... 8	1823.44	Sh 1	*White: blue*
7804	β 954	54 *Herculis*	50 6	18 38	175.4	2.56	5.0...12.3	1879.36	β 3	
7805	Σ 2110 *rej.*	56 *Herculis*	50 6	25 56	93.2	18.06	6.0...11.9	1879.04	β 3	
7806	Ho 409	SD (23°) 3020	50 25	23 33	17.2	8.48	8.1...13	1892.87	Ho 2	
7807	H 4902	L 30779	50 26	−27 25	31.8	12±	8 ...11	1834.3	H	
7808	H 4903	Cord. DM (30°) 13648	50 30	−30 0	88.5	15±	9 ...12	1834.3	H	
7809	Hu 160	DM (10°) 3099	50 44	10 26	203.4	0.61	8.9... 9.2	1900.55	Hu 3	
7810	OΣ 318	L 30835	51 10	14 20	250.9	2.75	6.7... 9.3	1847.74	OΣ 3	6.7 *yel.*
7811	Hu 161	SD (14°) 4508	51 36	−14 35	46.4	2.96	8.7...12.2	1900.50	Hu 3	(*A. J.* 485)
7812	Hu 162	SD (16°) 4386	52 23	−16 43	236.3	0.39	8.2... 8.5	1900.50	Hu 3	(*A. J.* 485)
7813	Hn 27	L 30853	52 32	−13 1	135.0	4.87	8.5... 9.1	1881.43	β 3	
7814	OΣ 319	L 30879	52 38	15 20	63.5	0.93	7.5... 8.5	1847.91	OΣ 5	
7815	H 4907	O. Arg. S. 16183	52 38	−24 1	49.1	15±	8 ... 8½	1837.5	H	
7816	H 1297	....	52 46	−25 37	50±	5±	10 ...10–11	1828+	H	"Neat"
7817	Σ 3107	W^1 XVI^h. 977	52 52	4 9	112.3	1.60	8.5... 8.5	1831.87	Σ 3	*White*
7818	H 2802	....	53 1	39 18	121.8	8±	9 ...15	1830+	H	
7819	OΣ 320	L 30909	53 17	25 30	251.6	5.67	7.5...11.1	1849.26	OΣ 3	7.5 *bluish*
7820	H 588	DM (36°) 2806	53 32	36 36	115±	15±	9 ...11	....	H	(See p. 1078)
7821	Ho 554	O. Arg. S. 12990	53 37	−29 31	357.4	10.18	8 ...12.5	1896.52	Ho 2	A and B
					352.1	35.24	...10	1896.51	Ho 1	A and C
7822	Σ 2112	DM (32°) 2824	53 42	31 58	260.6	1.90	8.5... 9.5	1830.89	Σ 3	
7823	β 1298	DM (9°) 3303	53 49	9 52	88.2	0.29	7.6... 8.9	1901.57	β 3	A and B
					165.2	77.02	... 8.0	1874.84	Δ 3	AB and C
					164.2	24.05	...12	1901.37	β 2	C and D
7824	Ho 410	Cord. G. C. 23029	53 53	−33 11	348.9	8.79	7.0...12.7	1892.03	Ho 2	
7825	OΣ 321	L 30918	53 55	14 29	1.7	0.51	7.7... 8.7	1848.82	OΣ 3	
7826	Σ 2125 *rej.*	DM (82°) 496	53 59	82 34	....	Cl. III	8 ...10	....	Σ	
7827	H 4911	O. Arg. S. 16213	54 10	−20 15	....	....	....	1834+	H	
7828	Σ 2116	O. Arg. N. 16684	54 15	63 43	6.0	18.94	8.2... 8.8	1831.09	Σ 3	*Very wh.*
7829	Hu 163	SD (12°) 4641	54 32	−12 2	335.4	0.29	8.9... 9.2	1900.53	Hu 3	(*A. J.* 485)
7830	Σ 32, App. I	O. Arg. N. 16679	54 34	47 32	263.4	114.64	7.0... 7.1	1834.10	Σ 6	*Yel.*
7831	Σ 2117	L 31016	55 14	51 59	117.0	1.36	8.4...10.6	1831.53	Σ 4	8.4 *yel'sh wh.*
7832	OΣ 322	DM (37°) 2826	55 34	37 6	202.5	1.69	7.0... 9.8	1847.29	OΣ 3	
7833	Σ 3108 *rej.*	L 30945	55 43	−11 43	124.7	39.66	8.4... 9.0	1901.83	β 2	
7834	Σ 2118	20 *Draconis*	55 49	65 13	246.4	0.85	6.4... 6.9	1832.30	Σ 5	*White*
7835	β 955	Redhill 2542	55 50	82 3	348.0	0.54	8.2... 9.5	1880.68	β 1	
7836	Σ 2115	*Herculis* 192	56 6	15 7	238.4	19.13	5.7...10.5	1830.70	Σ 4	5.7 *very wh.*
7837	Σ 2114	P XVI^h. 270	56 13	8 37	135.7	1.33	6.2... 7.4	1830.97	Σ 7	*White*
7838	Σ 2113	DM (7°) 3292	56 19	7 23	119.0	4.68	7.7... 9.5	1832.81	Σ 3	7.7 *wh.*
7839	H 2803	....	56 40	40 36	260.0	12±	10 ...12	1830+	H	"Among many stars 10 m."
7840	Howe 38	SD (10°) 4619	56 41	−20 13	182.6	....	8.0...10.0	1879.55	Cin 1	
7841	H 262	....	56 54:	38 6:	130±	30±	....	1820+	H	"In the same field" (See p. 1078)
7842	H 263	....	57 12:	38 4:	120±	15–20	9 ...11	1820+	H	
7843	Ho 411	W^2 XVI^h. 1733	57 26	23 53	261.1	1.74	8.3...12.0	1892.55	Ho 2	
7844	Hu 164	SD (12°) 4655	16 57 47	−12 30	341.4	1.78	6.5...12.2	1900.53	Hu 3	(*A. J.* 485)

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7845	**Σ 33, App. I**	33 and 34 *Ophiuchi*	16^{h} 58^{m} 7^{s}	13°47′	115°3	292′48	5.8... 6.3	1835.69	Σ 6	*Wh.: yel.*
7846	**Hd 143**	*ε Ursae Minoris*	58 19	82 14	6.5	77.65	4.4...11.2	1879.32	β 2	
7847	**β 822**	*Herculis* 198	58 40	19 51	228.0	1.50	6.9...11.3	1881.56	β 3	
7848	**Ho 66**	DM (32°) 2839	58 46	32 47	246.3	13.84	8.5...13.0	1886.62	Ho 2	
7849	**Σ 2124**	DM (65°) 1161	58 47	65 23	88.9	15.06	8.5... 9.2	1832.27	Σ 3	*White*
7850	**Σ 3109**	W^{1} XVI^{h}. 1079	58 53	− 6 57	299.8	4.80	8.9...10.7	1832.44	Σ 4	
7851	**Hu 165**	SD (14°) 4540	58 59	−14 12	41.7	0.62	9.1...11.3	1900.52	Hu 3	(*A. J.* 485)
7852	**Perry**	L 31091	59 26	19 46	232.5	1.78	6.9...10.2	1881.54	β 5	
7853	**Σ 2121**	DM (42°) 2786	59 28	42 4	140.3	2.81	8.0...10.0	1831.19	Σ 3	8.0 *yel.*
7854	**Σ 2119**	SD (13°) 4543	59 42	−13 46	17.8	1.95	8.0... 8.0	1831.76	Σ 3	*Very wh.*
7855	**H V. 133**	60 *Herculis*	59 49	12 54	307.0	48.67	....	1783.44	H 1	
7856	**β 357**	L 31094	59 52	10 43	294.7	1.15	8.3...10.0	1876.56	Δ 3	
7857	**Ho 555**	DM (33°) 2824	59 59	33 24	181.4	0.96	9.3... 9.3	1897.53	Ho 2	A and B (*A. N.* 3557)
					30.8	53.52	...11	1897.53	Ho 1	AB and C
7858	**Σ 2120**	*Herculis* 210	17 0 0	28 15	11.4	3.83	6.4... 9.2	1829.60	Σ 2	*Yel.: very blue*
7859	**Σ 2126 *rej.***	DM (71°) 818	0 8	71 17	....	Cl. IV	8 ...10	....	Σ	
7860	**H 4919**	Cord. DM (28°) 12845	0 16	−28 25	267±	18±	9½...10	1834.3	H	
7861	**Σ 3110**	W^{1} XVI^{h}. 1113	0 20	− 2 26	336.0	7.83	8.5...10.2	1832.62	Σ 5	
7862	**Hu 166**	SD (12°) 4664	0 22	−12 53	299.5	1.21	9.0...12.0	1900.52	Hu 3	(*A. J.* 485)
7863	**β 823**	L 31107	0 29	− 0 49	353.9	1.04	8.2... 9.2	1881.39	β 4	
7864	**H 2804**	....	0 31	39 9	283.8	20±	9–10...10	1830+	H	
7865	**Σ 2122**	*Ophiuchi* 124	0 39	− 1 30	280.5	20.13	6.5... 8.7	1831.47	Σ 3	6.5 *wh.*
7866	**Σ 2123**	DM (7°) 3306	1 7	6 58	218.4	19.26	8.5... 8.5	1830.85	Σ 3	*Wh.*
7867	**See 319**	Cord. DM (26°) 11936	1 9	−26 41	208.1	7.37	8.2...13.1	1897.65	See 1	
7868	**Ho 556**	L 31160	1 14	22 15	123.6	24.22	5.5...13	1897.52	Ho 2	(*A. N.* 3557)
7869	**OΣ (App) 151**	Rad^{1}. 3655	1 15	53 24	173.0	78.17	7.3... 8.5	1875.66	Δ 3	
7870	**H 4922**	L 31119	1 27	−20 4	314±	25±	7½...11	1836.5	H	
7871	**A 228**	A. G. Camb. 8009	1 27	26 41	186.4	0.53	9.0... 9.2	1901.45	A 3	
7872	**Σ 2128**	DM (59°) 1783	1 43	59 44	57.4	11.57	8.0... 9.2	1830.34	Σ 2	8.0 *yel'sh*
7873	**OΣ 323**	Rad^{1}. 3657	1 44	47 8	111.3	6.91	7.4...10.5	1848.44	OΣ 4	
7874	**H 4923**	L 31140	2 7	−18 6	184±	3±	8 ... 9	1836.4	H	
7875	**A. G. 208**	A. G. Alb. 5662	2 8	1 53	242.5	27.18	9.0... 9.8	1903.44	Cg 2	
7876	**Σ 2127 *rej.***	DM (31°) 2965	2 30	31 15	....	III–IV	7.8...10	....	Σ	
7877	**Innes 246**	L 31152	2 38	−27 37	33.5	1.29	7.6...10.0	1902.49	I 3	(*M. N.* LXIII, 76)
7878	**Σ 2130**	*μ Draconis*	2 51	54 38	208.1	3.34	5.0... 5.1	1828.52	Σ 3	A and B BC = β 1088
					190.9	12.25	...13.0	1889.27	β 3	B and C
7879	**Hu 167**	DM (10°) 3147	2 54	10 0	59.5	0.58	9.5... 9.8	1900.58	Hu 3	(*A. J.* 485)
7880	**Hu 168**	SD (17°) 4731	3 1	−17 52	109.1	0.35	8.5... 8.5	1900.52	Hu 3	(*A. J.* 485)
7881	**Σ 2134 *rej.***	DM (76°) 627	3 6	76 17	....	Cl. IV	8 ... 9	....	Σ	
7882	**H 264**	....	3 26:	36 6:	185.5	5±	9 ...11	1820+	H	
7883	**OΣ 324**	L 31248	3 27	31 22	217.9	3.88	6.3...10.8	1853.54	OΣ 4	6.3 *yel.*
7884	**H 589**	O. Arg. S. 16410	3 28	−24 47	305±	11±	9 ...11	1820+	H	
7885	**β 1118**	*η Ophiuchi*	3 30	−15 34	274.7	0.35	3.4... 3.9	1889.39	β 4	A and B
					142.5	93.41	...13	1898.56	β 1	AB and C
					288.6	99.78	...11.5	1898.56	β 3	AB and D
7886	**Ho 412**	L 31259	3 47	36 6	143.2	19.49	6 ...12	1892.08	Ho 2	
7887	**β 124**	L 31224	4 0	− 0 36	253.5	1.12	7.3...10.3	1875.11	Δ 3	
7888	**β 956**	O. Arg. S. 16420	4 10	−26 33	163.1	0.63	8.0... 9.7	1880.51	β 2	
7889	**A 229**	A. G. Berlin 5866	4 27	24 33	350.1	1.25	8.6...11.0	1901.43	A 3	
7890	**Hu 169**	SD (16°) 4436	4 35	−16 20	223.1	0.13	8.0... 8.1	1900.52	Hu 3	(*A. J.* 485)
7891	**β 125**	P XVI^{h}. 311	4 43	−26 53	68.3	1.56	7.9...10.9	1880.51	β 2	
7892	**A 230**	....	5 1	24 32	121.4	1.81	10.2...10.6	1901.41	A 2	
7893	**Σ 2131**	W^{2} XVII^{h}. 88	5 6	30 30	179.4	24.25	7.5... 8.5	1830.08	Σ 2	7.5 *very wh.*
7894	**Espin 77**	DM (51°) 2178	5 20	51 0	274.0	17.0	6.6...11.8	1901	Es	
7895	**Σ 2133**	DM (49°) 2588	5 39	49 55	201.8	3.31	9.0...10.5	1830.63	Σ 3	
7896	**Σ 2132**	L 31290	17 6 26	− 3 54	108.0	1.52	8.3... 9.0	1831.46	Σ 3	*Yel'sh wh.*

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7897	**Hu 170**	**DM** (9°) 3339	$17^{h}\ 6^{m}\ 33^{s}$	9°54′	273°7	1″71	8.5...10.8	1900.56	Hu 3	(*A. J.* 485)
7898	**Σ 2135**	**DM** (21°) 3063	6 58	21 22	166.1	6.70	7.1... 8.4	1829.45	Σ 4	*Yel'sh: bluish*
7899	**β 1247**	**L** 31296	7 3	− 9 9	345.5	1.62	8.0...10.3	1891.48	β 4	
7900	**OΣ 325**	**P XVII^h.** 18	7 12	7 54	202.9	1.67	7.2... 9.1	1857.27	OΣ 4	*Wh.: blue*
7901	**Σ 2136**	**L** 31347	7 35	39 24	114.1	15.64	8.0...10.0	1831.76	Σ 3	8.0 *wh.*
7902	**Barnard 7**	**L** 31315	7 38	− 8 16	154.7	2.16	8.2...11.6	1892.48	β 3	
7903	**Σ 2138**	**O. Arg. N.** 16904	7 40	54 39	139.2	22.33	8.0... 8.3	1830.98	Σ 3	*Very wh.*
7904	**Hu 749**	**SD** (21°) 4554	7 54	−21 47	150.4	1.91	8.5... 9.2	1902.52	Hu 1	
7905	**Sh 243**	36 *Ophiuchi*	7 59	−26 25	227.3	5.54	6 ... 6	1822.52	Sh 2	
7906	**Σ 2137**	**W^2 XVII^h.** 180	8 30	16 5	145.4	4.02	8.2... 9.2	1830.81	Σ 3	*White*
7907	**β 282**	**SD** (14°) 4585	8 31	−14 27	154.1	4.23	6.7...11.8	1875.41	Δ 3	
7908	**Ho 557**	**L** 31352	8 35	16 30	323.4	4.28	8 ...12	1895.06	Ho 2	(*A. N.* 3557)
7909	**Σ 2142**	**O. Arg. N.** 16915	8 36	49 53	116.3	5.33	6.2...10.0	1830.14	Σ 3	6.2 *wh.*
7910	**H.C.Wilson 14**	**O. Arg. S.** 16530	8 43	−18 3	293.1	1.31	9.0... 9.1	1884.46	W 1	A and B
					228.8	12±	9 ...12	1836.5	H	AB and C
7911	**Σ 2139** *rej.*	**DM** (19°) 3258	8 56	19 27	....	Cl. III	8–9...11	....	Σ	
7912	**β 957**	**L** 31341	8 58	−10 10	203.6	0.58	7.9... 7.9	1880.16	β 3	
7913	**Σ 2143** *rej.*	**DM** (10°) 3169	9 9	10 8	119.9	28.83	8.4...10	1904.28	β 1	
7914	**Σ 2140**	α *Herculis*	9 10	14 32	118.5	4.65	3.0... 6.1	1829.63	Σ 12	A and B *Very yel.: intense blue*
					335.8	23.54	...15.0	1888.99	β 2	A and C
					39.0	84.79	...10.6	1890.44	β 3	A and D
7915	**β 44**	**DM** (28°) 2697	9 12	28 57	18.6	5.33	9.2...10.5	1875.01	Δ 4	
7916	**Hu 488**	**DM** (20°) 3431	9 18	20 4	108.3	3.06	8.8...10.0	1902.43	Hu 3	(*Bul. L. O.* No. 21)
7917	**β 958**	**L** 31344	9 25	−19 12	221.0	1.38	8.3... 8.8	1880.52	β 2	
7918	**Ho 558**	....	9 31	63 30	208.7	8.83	9.5...10	1896.60	Ho 2	(*A. N.* 3557)
7919	**Hu 171**	**SD** (17°) 4806	9 34	−17 29	190.4	1.74	9.2...10.8	1900.54	Hu 3	
7920	**β 1119**	**B. A. C.** 5820	9 40	−30 2	355.8	0.75	7.0... 7.6	1889.40	β 3	
7921	**O. Stone 33**	**SD** (17°) 4760	10 1	−17 51	44.3	0.8±	8.5... 9.5	1880.40	Cin 1	
7922	**Σ 3127**	δ *Herculis*	10 6	24 59	174.1	25.85	3.0... 8.1	1830.99	Σ 3	*Green: ashy wh.*
7923	**S 385**	38 *Ophiuchi*	10 12	−26 30	330.8	7.14	8 ...12.5	1825.53	S 4	
7924	**Hu 489**	**DM** (20°) 3432	10 21	20 15	47.1	0.97	9.2...10.5	1902.43	Hu 3	(*Bul. L. O.* No. 21)
7925	**Σ 2146**	**DM** (54°) 1868	10 27	54 16	226.2	2.65	8.0...10.0	1831.95	Σ 3	
7926	**H 854**	**W^1 XVII^h.** 143	10 27	1 21	358±	25±	5 ...17	1820+	H	
7927	**Σ 2141** *rej.*	**L** 31401	10 38	3 32	135±	20±	8 ...10	1823+	H	
7928	**H III. 25**	39 *Ophiuchi*	10 42	−24 9	357.2	10.37	....	1782.46	H 1	*Red: blue*, Sh.
7929	**β 416**	*Scorpii* 185	10 47	−34 51	240±	1.8±	6.0... 8.0	1876.52	β 1	A and B
					128.6	31.03	...10.5	1889.43	β 3	A and C
7930	**Σ 2144** *rej.*	**SD** (7°) 4419	10 53	− 7 44	4.0	25.73	8.0... 9.0	1848.60	Mh 1	
7931	**O. Stone 34**	....	11 :	−16 55:	289.8	17.11	9.0... 9.5	1879.41	Cin 2	
7932	**β 1200**	**L** 31421	11 5	14 49	12.6	1.42	7.8...12.2	1890.44	β 3	
7933	**Hn 132**	**Cord. DM** (23°) 13308	11 36	−23 52	30.0	1.96	8.9...10.0	1888.63	Com 3	
7934	**Hu 172**	**DM** (11°) 3153	11 44	11 21	347.5	0.69	9.2...11.7	1900.56	Hu 3	(*A. J.* 485)
7935	**H.C.Wilson 15**	**DM** (26°) 2990	11 47	26 43	45.4	0.46	8.3... 9.3	1892.58	W 4	A and B AC = Σ 2145
					174.2	9.79	8.0... 9.5	1830.99	Σ 2	AB and C
7936	**OΣ 327**	**Rad^1.** 3689	11 53	56 16	340.6	0.44	7.6... 7.9	1846.45	OΣ 4	
7937	**Hu 668**	**DM** (21°) 3084	12 8	21 21	29.6	1.22	8.5...15.0	1902.49	Hu 1	
7938	**Σ 2151**	**DM** (69°) 898	12 10	69 38	353.5	2.16	8.6...10.1	1832.76	Σ 4	
7939	**Schj. 14**	**DM** (5°) 3637	12 29	4 58	344.3	24.60	8.0... 9.0	1873.45	Δ 1	
7940	**OΣ 326**	**L** 31461	12 34	9 39	203.5	15.37	7.2...11.5	1850.02	OΣ 2	
7941	**Hu 750**	**SD** (21°) 4577	12 38	−21 34	134.2	2.02	8.8... 9.0	1902.52	Hu 1	
7942	**Σ 2147**	**DM** (29°) 2978	12 53	29 2	93.1	6.60	7.1...11.0	1833.61	Σ 4	7.1 *very yel.*
7943	**β 126**	**P XVII^h.** 43	12 54	−17 38	261.3	1.74	6.4... 7.5	1875.11	Δ 5	A and B
					139.7	11.49	...11.7	1879.54	β 2	A and C
7944	**OΣ 328**	68 *Herculis*	12 54	33 14	61.8	4.38	4.8...10.2	1847.89	OΣ 3	4.8 *wh.*
7945	**β 629**	**DM** (32°) 2883	13 0	32 13	345.8	0.99	8.3... 9.0	1878.40	β 2	
7946	**Hd 144**	**O. Arg. S.** 16624	17 13 4	−26 26	24.6	4.39	6.5... 6.5	1868.60	Hd 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
7947	Σ 2148	W^{1} XVII^{h}. 194	17^{h} 13^{m} 11^{s}	−11° 14′	220°.4	5″.13	8.5… 9.9	1832.45	Σ 4	
7948	S 686	W^{2} XVII^{h}. 326	13 17	28 52	4.5	54.98	8 … 9	1825.46	S 2	
7949	A 231	A. G. Camb. 8126	13 22	27 50	113.5	1.80	9.0…13.5	1901.73	A 3	
7950	Ho 67	DM (35°) 2947	13 23	35 44	261.5	6.30	8.5…12.5	1884.60	Ho 2	
7951	β 127	L 31454	13 25	−27 13	95.3	5.26	8.2… 9.0	1876.51	Cin 2	
7952	β 45	W^{2} XVII^{h}. 345	13 29	32 37	289.9	4.83	9.7…10.3	1875.05	Δ 4	
7953	Σ 2149	SD (6°) 4580	13 32	− 6 18	23.2	7.47	8.8… 8.8	1830.15	Σ 3	
7954	OΣ (App) 152	W^{2} XVII^{h}. 335	13 33	21 54	50.2	51.66	7.0… 9.2	1874.94	Δ 3	
7955	β 628	W^{2} XVII^{h}. 359	13 55	32 47	5.6	0.54	9.0… 9.5	1878.41	β 1	
7956	Lewis 15	….	14 :	32 33:	297.4	2.68	10.0…11.0	1896.46	L 1	
7957	Sh 247	ν *Serpentis*	14 4	−12 43	30.8	50.21	….	1821.97	S 2	*Reddish wh.: lilac.*
7958	A 28	SD (8°) 4429	14 15	− 8 55	38.0	1.62	8.7… 8.8	1899.71	A 3	(*A. N.* 3635)
7959	Σ 2152	DM (45°) 2519	14 17	45 43	248.8	1.85	8.8… 9.0	1830.00	Σ 3	*White* (See p. 1079)
7960	H 2805	….	14 24	23 28	161.8	15±	10 …11	1830+	H	
7961	See 325	Lac. 7246	14 28	−30 23	232.8	4.24	8 …10.5	1897.50	See 1	
7962	Σ 2155	*Draconis* 132	14 37	60 50	115.5	9.59	6.2… 9.5	1830.51	Σ 2	6.2 *wh.*
7963	Ho 413	O. Arg. S. 16663	14 44	−30 5	280.6	7.36	7.3…11.8	1892.53	Ho 3	
7964	β 630	DM (32°) 2891	14 46	32 28	225.4	1.66	8.7…10.7	1878.40	β 2	
7965	Σ 2153	DM (49°) 2615	14 50	49 26	281.8	1.89	8.6… 9.1	1831.33	Σ 4	*Yel'sh*
7966	See 326	O. Arg. S. 16672	14 55	−20 37	13.7	0.59	8.4… 8.9	1897.65	See 1	
7967	Hu 173	SD (10°) 4479	15 2	−10 56	359.0	0.72	8.5… 8.9	1900.47	Hu 3	(*A. J.* 485)
7968	Σ 2150	….	15 10	1 41	184.8	8.08	9.3…10.2	1832.16	Σ 3	
7969	Hu 669	DM (50°) 2386	15 13	49 59	79.5	0.21	9.2… 9.2	1904.36	Hu 1	
7970	Σ 2154	DM (44°) 2690	15 23	44 15	249.1	1.81	8.5… 9.5	1830.44	Σ 3	8.5 *wh.*
7971	Swift	DM (53°) 1932	15 41	53 46	132.0	0.57	8.9… 9.0	1889.43	β 3	
7972	S 687	70 *Herculis*	15 58	24 37	56.6	218.34	5 … 9	1825.09	S 3	
7973	Hd 145	….	16 :	−30 56:	140.0	5.25	11.0…13.5	1868.49	Hd 1	
7974	H 1298	….	16 6	24 23	229.9	4±	10 …11	1828+	H	
7975	β 959	*Ophiuchi* 185	16 9	5 37	258.7	3.26	7.1…12.0	1879.88	β 5	
7976	σ 544	72 *Herculis*	16 10	32 38	327.5	162.64	5.0… 9.3	1853.35	OΣ 3	
7977	Hu 670	DM (49°) 2617	16 11	49 25	7.6	0.22	9.0…10.0	1904.36	Hu 1	
7978	A 232	A. G. Camb. 8151	16 21	25 50	98.7	0.43	8.7… 9.4	1901.47	A 2	
7979	β 1248	DM (4°) 3406	16 31	4 29	165.4	8.49	8.0… 9.3	1891.46	β 3	
7980	Hn 133	O. Arg. S. 16701	16 35	−21 36	166.0	1.16	8.8… 9.2	1888.63	Com 3	
7981	Hn 28	O. Arg. S. 16709	16 46	−30 25	236.8	3.42	8.7… 9.1	1881.57	β 3	
7982	H 4948	SD (22°) 4341	17 9	−22 41	103.8	18±	8 …11	1837.5	H	
7983	Ho 414	W^{2} XVII^{h}. 466	17 19	26 12	85.3	0.45	8.4… 8.8	1891.78	Ho 3	A and B
					305.1	30.83	…11	1893.48	Ho 1	A and C
7984	β 242	L 31610	17 21	−11 35	68.9	0.96	8.2… 9.0	1875.92	Δ 5	A and B
					66.4	8.90	…11.0	1876.01	Δ 4	AB and C
					63.8	47.46	…10.3	1876.01	Δ 4	AB and D
7985	H 3346	DM (72°) 778	17 28	72 47	30.0	10±	9–10…12	1831+	H	
7986	Σ 2157	DM (16°) 3167	17 31	16 35	202.1	3.28	8.3… 9.7	1830.76	Σ 3	8.3 *yel.*
7987	β 1284	DM (15°) 3173	17 38	15 1	180.1	1.23	8.3…11.3	1899.42	β 3	
7988	Kr 46	A. G. Hels. 9221	17 41	58 39	60.7	1.54	8.8… 9.0	1890.77	β 1	
7989	Hn 134	O. Arg. S. 16726	17 42	−21 20	149.4	3.98	6.2…12	1889.06	Com 4	
7990	Hu 174	SD (16°) 4541	17 45	−15 59	43.2	2.01	8.7…12.8	1900.54	Hu 3	(*A. J.* 485)
7991	Σ 2156	L 31647	17 47	− 0 43	32.3	3.27	8.3… 9.0	1830.79	Σ 3	*Yel'sh wh.*
7992	….	DM (4°) 3413	17 54	4 58	180±	1.5±	8 …11	1884.61	β	
7993	Σ 2158	DM (3°) 3397	18 5	3 11	78.3	23.23	8.0… 9.7	1831.56	Σ 2	8.0 *wh.*
7994	β 46	W^{1} XVII^{h}. 296	18 7	13 31	203.0	2.15	7.7…10.9	1875.01	Δ 4	
7995	Ho 415	L 31687	18 15	25 52	334.3	0.80	8.0… 8.7	1891.52	Ho 3	
7996	Hu 671	DM (22°) 3133	18 39	22 2	276.4	0.44	8.4… 9.0	1904.32	Hu 2	
7997	Hn 135	O. Arg. S. 16764	18 44	−19 11	105±	3±	9.0…11.5	….	Hn	
7998	Σ 2160	P XVII^{h}. 94	19 9	15 43	61.9	4.07	5.5…10.0	1830.23	Σ 3	*Very wh.: ash*
7999	H 4953	O. Arg. S. 16774	17 19 19	−19 25	176.5	18±	8½… 9	1836.5	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8000	β 128	B. A. C. 5879	$17^h\ 19^m\ 24^s$	−26° 14′	325°.7	3″.92	7.5...10.0	1877.19	Cin 3	
8001	Σ 2159	DM (13°) 3365	19 24	13 26	326.4	26.27	7.4... 8.1	1831.52	Σ 4	*White*
8002	β 1249	DM (53°) 1938	19 30	53 58	80.1	0.44	8.8... 9.0	1891.43	β 3	A and B
					74.3	62.46	... 8.9	1891.41	β 3	AB and C
8003	Σ 2161	ρ *Herculis*	19 33	37 15	307.2	3.60	4.0... 5.1	1830.35	Σ 4	*Greenish wh.: greenish*
8004	Σ 2163	DM (42°) 2839	19 36	42 16	103.5	1.51	9.2... 9.2	1830.02	Σ 3	
8005	Σ 2162	DM (36°) 2866	19 43	36 34	277.7	1.30	8.5... 8.9	1830.94	Σ 4	*White*
8006	♅ N. 5	DM (32°) 2909	20 5	32 22	....	....	....	1784.37	♅	
8007	OΣ 329 *rej.*	L 31771	20 18	37 3	12.5	32.58	5.8... 8.5	1867.12	Δ 3	
8008	β 1250	W^2 XVII^h. 559	20 19	30 52	57.6	1.93	10.3...10.8	1877.26	Δ 3	
8009	Σ 2164	O. Arg. N. 17084	20 27	47 23	16.5	8.82	7.8... 9.3	1829.46	Σ 3	*White*
8010	Hu 175	SD (12°) 4754	20 28	−12 3	68.1	4.64	8.6...12.3	1900.44	Hu 3	(*A. J.* 485)
8011	S 689	W^2 XVII^h. 581	20 40	39 19	198.4	89.27	8 ... 8½	1825.46	S 2	
8012	Hu 234	SD (12°) 4757	21 5	−12 5	167.2	1.02	8.0...12.0	1900.47	Hu 3	A and B (*A.J.* 494)
					306.1	5.37	... 9.7	1900.44	Hu 3	A and C
8013	H 1299	W^2 XVII^h. 589	21 12	26 59	20.7	32±	7 ...13	1828+	H	A and B
					60.5	30±	...14	1828+	H	A and C
8014	β 129	P XVII^h. 100	21 14	−25 24	99.5	1.02	7.7... 8.0	1878.37	Cin 2	
8015	Σ 2167 *rej.*	O. Arg. N. 17105	21 21	49 38	....	Cl. IV	8 ...10	....	Σ	
8016	Espin —	DM (63°) 1346	21 25	63 52	19.1	6.5	9.0...11.5	1903	Es	(*M. N.* LXIV, 238)
8017	Σ 2165	*Herculis* 281	21 35	29 34	45.7	6.71	7.0... 8.5	1832.16	Σ 4	*Yel'sh: ash*
8018	See 329	O. Arg. S. 16826	21 35	−23 20	112.2	3.42	8 ...12	1897.67	Cg 1	
8019	A 29	SD (8°) 4445	21 41	− 8 34	95.8	2.91	9.0... 9.8	1899.71	A 3	(*A. N.* 3635)
8020	Howe 39	Lac. 7312	22 11	−33 36	324.7	4.65	7.2...10.2	1881.44	β 3	A and B
					315.4	15.01	...12.5	1893.54	Ho 1	A and C
					29.4	58.74	... 9.2	1881.43	β 2	A and D
8021	Σ 2166	DM (11°) 3184	22 16	11 29	283.1	27.46	5.6... 7.4	1831.36	Σ 5	*Wh.: bluish*
8022	Σ 2179	O. Arg. N. 17153	22 17	72 42	213.3	5.46	8.2... 8.8	1832.61	Σ 3	*Very wh.*
8023	Σ 2168	DM (35°) 2977	22 26	35 52	199.7	2.44	7.5... 8.2	1828.77	Σ 3	7.5 *yel.*
8024	See 330	Cord. DM (30°) 13296	22 31	−30 10	169.1	1.62	8.1... 9.7	1897.50	See 1	
8025	Σ 2171	W^1 XVII^h. 370	22 40	− 9 54	75.7	1.62	7.5... 7.6	1830.53	Σ 4	*Yel'sh wh.*
8026	Hu 672	DM (51°) 2210	22 40	51 36	62.5	4.21	8.0...11.0	1904.36	Hu 1	
8027	H 2806	O. Arg. S. 16847	22 42	−17 43	187.0	12±	10 ...11	1830+	H	
8028	Σ 2170	DM (10°) 3215	23 4	10 35	76.3	3.80	8.5... 9.0	1830.82	Σ 3	*Yel'sh*
8029	See 332	Cord. DM (27°) 11692	23 4	−27 6	188.7	7.78	7.5...11.8	1897.70	See 1	A and B
					356.6	16.85	...13	1897.70	See 1	A and C
8030	Ho 416	DM (30°) 2993	23 10	30 30	95.2	4.15	8.3...10.0	1892.55	Ho 3	
8031	β 1089	L 31816	23 22	− 5 48	5.2	0.95	6.8...11.0	1888.64	β 3	
8032	Σ 2169	W^1 XVII^h. 378	23 28	− 8 19	88.7	14.85	8.0...10.0	1830.46	Σ 2	8.0 *wh.*
8033	Hu 176	DM (8°) 3425	23 34	8 17	344.4	0.25	9.2... 9.4	1900.58	Hu 4	(*A. J.* 485)
8034	A. G. 209	A. G. Lund 7147	23 37	36 13	167.8	26.34	9.0... 9.5	1904.32	β 2	
8035	Hu 177	SD (14°) 4665	23 41	−14 41	85.2	0.37	8.4... 9.5	1900.54	Hu 3	(*A. J.* 485)
8036	Σ 2172	DM (−1°) 3345	23 44	− 1 15	173.1	11.55	8.0...10.8	1830.79	Σ 3	8.0 *yel'sh wh.*
8037	Innes 105	Cord. DM (30°) 14334	23 55	−30 12	169.1	1.62	8.1... 9.7	1897.50	See 1	
8038	Σ 2173	*Ophiuchi* 221	24 14	− 0 58	323.8	0.62	5.8... 6.1	1830.84	Σ 5	*Very yel.*
8039	H 590	O. Arg. S. 16888	24 15	−17 3	310±	30±	9 ...10	1828+	H	
8040	Σ 2177	DM (46°) 2314	24 26	46 31	133.7	3.15	8.5...10.0	1831.46	Σ 3	
8041	OΣ 330	L 31885	24 29	16 4	57.0	14.17	7.2...10.8	1848.98	OΣ 3	
8042	A 30	SD (5°) 4455	24 31	− 5 32	60.5	0.45	9.2... 9.3	1899.58	A 3	A and B (*A. N.* 3635)
					8.1	3.41	...12.3	1899.58	A 4	AB and C
8043	Hn 29	O. Arg. S. 16893	24 35	−30 22	230.2	1.35	7.9... 8.5	1881.45	β 3	
8044	A 351	A. G. Camb. 8236	24 43	29 30	65.4	0.55	9.5... 9.9	1902.48	A 4	(*Bul. L. O.* No. 29)
8045	Σ 2174	DM (32°) 2928	24 58	32 51	331.6	5.64	9.2...10.5	1829.72	Σ 2	
8046	O. Stone 35	....	25 ±	46 25:	183.8	7.58	9.2... 9.7	1879.34	Cin 2	
8047	Σ 2175	DM (32°) 2929	25 0	32 48	9.5	13.20	8.0...10.0	1831.01	Σ 2	8.0 *white*
8048	Hu 178	SD (13°) 4639	17 25 4	−13 30	177.4	2.58	8.9... 9.1	1900.44	Hu 3	(*A. J.* 485)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8049	Σ 2178	DM (35°) 2986	$17^h 25^m 11^s$	35° 2′	130°.1	10′.60	7.0... 8.6	1832.39	Σ 7	*Yel'sh: bluish*
8050	Ho 417	L 31942	25 14	38 3	150.6	0.37	8.0... 8.0	1892.55	Ho 2	
8051	Ho 68	DM (63°) 1355	25 26	63 18	258.1	1.45	10 ...10	1882.50	Ho 2	
8052	Σ 2176	DM (10°) 3225	25 27	10 32	9.0	16.86	8.7... 9.7	1829.54	Σ 2	
8053	Hu 673	SD (10°) 4507	25 45	−10 54	188.2	5.41	7.5...12.8	1900.44	Hu 3	
8054	H 4960	Lam. 2398	25 46	− 8 23	90.3	3±	9½ = 9½	1835.6	H	
8055	OΣ 331	P XVII^h. 135	26 2	2 55	326.3	0.85	7.5... 9.0	1848.33	OΣ 3	
8056	Hu 179	DM (11°) 3194	26 3	11 18	51.9	2.17	8.8... 8.9	1900.58	Hu 3	(*A. J.* 485)
8057	Σ 2180	P XVII^h. 147	26 5	50 58	265.3	3.17	7.0... 7.2	1831.29	Σ 6	*Very wk.*
8058	β 1201	O. Arg. N. 17215	26 37	67 52	338.2	0.43	7.8... 7.8	1890.49	β 3	
8059	Σ 2181 *rej.*	W^2 XVII^h. 780	27 7	30 25	....	Cl. IV	7 ... 9–10	....	Σ	
8060	Σ 2182	DM (23°) 3128	27 29	23 57	0.9	5.28	8.2... 9.2	1833.15	Σ 4	*White*
8061	A 352	A. G. Camb. 8267	27 42	28 53	183.0	0.18	8.2... 8.5	1902.73	A 2	(*Bul. L. O.* No. 29)
8062	β 1090	β *Draconis*	27 43	52 23	13.4	3.97	3.0...14	1889.26	β 4	
8063	H 4964	L 31975	28 6	−11 10	233.8	80±	6½... 8	1835.4	H	
8064	Hu 180	SD (13°) 4664	28 40	−13 55	222.8	0.47	8.7... 8.8	1900.47	Hu 3	(*A. J.* 485)
8065	Σ 2184	54 *Ophiuchi*	28 51	13 15	76.8	21.42	6.3...11.2	1830.19	Σ 3	6.3 *yel.*
8066	Glasenapp 7	DM (15°) 3213	28 52	15 24	241.8	8.95	8.2...10.9	1895.61	Gla 4	From Glasenapp (IV)
8067	Σ 34, App. I	53 *Ophiuchi*	28 55	9 40	191.4	41.08	5.6... 7.3	1835.56	Σ 5	*White*
8068	Σ 2185	DM (6°) 3456	28 56	6 6	5.5	27.50	7.0...10.0	1830.49	Σ 2	A and B } 7.0 *wk.*
					190.4	97.09	... 7.7	1864.51	Δ 1	A and C
8069	Σ 2183 *rej.*	L 32017	29 5	− 5 51	162.7	20±	7½...10	1835.6	H	A and B
					10.9	25±	...10	1835.6	H	A and C
8070	H 1300	DM (25°) 3297	29 30	25 25	300.1	8±	10 ...	1828+	H	A and BC
					190.1	2±	12 = 12	1828+	H	B and C
8071	OΣ 332	DM (15°) 3219	29 30	15 24	113.8	10.14	7.2...10.3	1848.29	OΣ 3	
8072	Hu 751	SD (20°) 4818	29 37	−20 52	159.0	0.30	8.0... 8.0	1902.52	Hu 1	
8073	Σ 2189 *rej.*	O. Arg. N. 17245	29 37	47 58	100.0	21.07	7.9...10.3	1901.39	β 3	A and B
					359.6	65.04	... 8.6	1901.39	β 3	A and C
8074	Σ 2187	DM (4°) 3452	29 44	4 14	177.6	3.13	8.3... 9.3	1830.88	Σ 3	*White*
8075	Σ 2186	DM (1°) 3463	29 45	1 5	82.7	2.90	7.5... 7.5	1831.20	Σ 3	*White*
8076	Σ 35, App. I	ν^1, ν^2 *Draconis*	29 48	55 16	313.0	61.74	4.6... 4.6	1833.85	Σ 5	*Yel'sh wk.*
8077	Σ 2248 *rej.*	DM (86°) 264, 263	30 :	86 57:	....	Cl. IV	8 ...10	....	Σ	
8078	Σ 2188	W^1 XVII^h. 548	30 24	6 42	203.8	5.47	8.5... 9.2	1831.45	Σ 3	*White*
8079	Hu 752	SD (19°) 4672	30 25	−19 59	328.9	2.74	9.0...11.5	1902.52	Hu 1	
8080	Hn 30	L 32046	30 29	−23 19	111.7	3.28	8.3... 9.2	1881.43	β 3	
8081	H 2807	....	30 51	20 39	22.4	8±	7 ...11	1830+	H	
8082	Σ 2190	P XVII^h. 163	30 52	21 4	33.2	10.17	6.0... 9.5	1829.66	Σ 2	6.0 *bluish wh.*
8083	OΣ 333	W^1 XVII^h. 578	31 13	10 39	....	obl?	7 ...	....	OΣ	
8084	Hn 137	SD (18°) 4592	31 17	−19 1	255.6	1±	10 ...11.5	1888.67	Com 1	
8085	Hn 31	SD (14°) 4712	31 44	−14 46	338.2	1.38	8.9... 9.2	1881.38	β 2	
8086	β 1121	DM (12°) 3264	31 52	12 36	240.1	0.71	8.5... 9.0	1889.14	β 3	
8087	β 960	L 32122	32 3	− 1 5	294.9	3.18	8.4...11.1	1880.53	β 4	
8088	Hd Zones	DM (0°) 3739	32 14	0 56	....	....	9–10...	....	Hd	
8089	Hu 181	SD (15°) 4635	32 31	−15 41	94.9	0.20	9.2... 9.6	1900.55	Hu 3	(*A. J.* 485)
8090	Ho 418	L 32130	32 43	−13 35	286.9	16.71	7 ...13	1892.06	Ho 2	
8091	A. G. 210	DM (23°) 3151	32 49	23 2	172.1	2.83	9.0... 9.3	1902.54	M 3	
8092	Ħ III. 40	(*Herculis*)	33 ±	....	136.0	10.33	....	1787.61	Ħ	
8093	Sh 251	*Ophiuchi* 254	33 5	2 6	328.1	111.21	6 ... 7½	1823.42	Sh 2	A and B
					21.4	138.09	...12	1823.42	Sh 1	A and C
					72.6	114.31	....	1823.42	Sh 1	B and C
8094	Σ 2191	L 32179	33 25	− 4 54	268.2	26.48	7.0... 8.0	1831.48	Σ 3	A and B } *white*
					32.7	8.34	...12.0	1893.58	Ho 1	B and C
8095	β 961	L 32206	33 32	3 28	141.4	8.00	6.9...11.5	1880.65	β 7	
8096	Hu 182	SD (13°) 4704	33 36	−13 15	10.5	1.42	9.0... 9.3	1900.50	Hu 3	(*A. J.* 485)
8097	Ho 420	DM (37°) 2912	17 33 37	37 3	103.4	1.03	9.3... 9.6	1893.47	Ho 2	(See p. 1079)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8098	**H 1301**	....	17^h 33^m 43^s	29°20′	90°.1	3″±	11 = 11	1828+	H	
8099	**β 962**	26 *Draconis*	33 45	61 58	151.8	1.37	5.5...10.1	1879.97	β 4	
8100	**β 631**	*Ophiuchi* 255	33 47	− 0 35	73.0	0.40	7.0... 7.0	1879.55	β 4	
8101	**Ho 69**	**DM** (17°) 1054	33 56	37 0	141.0	1.64	8.3...12.1	1882.86	Ho 3	
8102	**See 336**	**SD** (18°) 4617	34 14	−18 34	95.5	3.54	8.8...13.5	1897.60	See 1	
8103	**Hn 138**	**0. Arg. S.** 17072	34 19	−17 54	272.1	2.06	9.0... 9.7	1888.67	Com 3	
8104	**Hu 183**	**SD** (14°) 4726	34 39	−14 26	294.8	1.14	8.8... 9.6	1900.55	Hu 3	(*A. J.* 485)
8105	**♅ III. 31**	(*Herculis*)	35 ±	....	....	10±	....	1781.38	♅ 1	
8106	**Hu 184**	**SD** (15°) 4651	35 20	−15 40	274.0	4.48	8.5... 9.5	1900.55	Hu 3	
8107	**Σ 2192**	*Herculis* 315	35 24	29 18	88.4	10.41	7.5... 9.9	1833.45	Σ 5	7.5 *yel'sh*
8108	**H 591**	....	35 26	−22 19	15±	10±	10 ...11	1820+	H	
8109	**A. G. 211**	**DM** (20°) 3540	35 27	20 21	129.7	2.36	9.0... 9.5	1902.48	Cg 3	
8110	**Arg. 30**	**0. Arg. S.** 17099	35 30	−29 53	290.3	36.81	8.0... 8.5	1880.38	Cin 1	
8111	**H 1302**	....	35 33	24 54	320.3	1¾	11 = 11	1828+	H	
8112	**Egbert 5**	....	36 :	24 54	50.0	10.37	10.0...11.5	1879.31	Cin 1	
8113	**Σ 2193**	**W^1 XVII^h.** 676	36 5	8 17	69.1	5.71	9.9... 9.9	1830.85	Σ 4	
8114	**Σ 2194**	**P XVII^h.** 200	36 10	24 34	9.4	16.13	6.2... 8.5	1831.06	Σ 3	*Yel.: ash*
8115	**OΣ (App) 157**	**P XVII^h.** 204	36 10	31 21	111.0	112.87	6.3... 7.3	1874.96	Δ 3	
8116	**Σ 2195** *rej.*	....	36 16	21 15	101.1	21.60	9 ... 9	1901.41	β 2	
8117	**Ho 421**	**SD** (12°) 4822	36 17	−12 59	339.8	5.34	8.0...12	1892.06	Ho 2	(*A. N.* 3234)
8118	**Σ 2199**	**DM** (55°) 1961	36 24	55 49	116.4	1.67	7.2... 7.8	1830.94	Σ 3	*Yel'sh*
8119	**Σ 2196**	**DM** (21°) 3186	36 27	21 15	261.8	3.26	9.2...11.2	1829.71	Σ 3	
8120	**β 1251**	**B. A. C.** 5991	36 35	16 1	79.0	1.37	6.0...11.5	1891.56	β 3	
8121	**Hu 185**	**SD** (16°) 4519	36 36	−16 45	298.3	4.77	8.3...12.2	1900.55	Hu 3	(*A. J.* 485)
8122	**O. Stone 36**	**0. Arg. S.** 17123	36 42	−27 24	208.6	7.28	8.0...11.0	1879.01	Cin 2	
8123	**A. G. 212**	**DM** (5°) 3457	36 47	5 23	28.4	2.48	9.5... 9.5	1894.50	Lp	
8124	**Ho 559**	**DM** (63°) 1365	36 50	63 27	298.3	2.67	9 ...10	1895.64	Ho 1	(*A. N.* 3557)
8125	**Σ 2197**	**W^2 XVII^h.** 1169	36 55	21 31	358.6	8.09	9.2... 9.7	1829.69	Σ 2	
8126	**Σ 2207**	**DM** (67°) 1027	37 14	67 11	128.1	1.09	8.0... 8.5	1832.99	Σ 3	*White*
8127	**Σ 2203**	*Herculis* 328	37 27	41 43	333.5	0.72	7.5... 7.8	1830.13	Σ 3	*White*
8128	**OΣ (App) 158**	....	37 27	41 43	....	Cl. IV	7 ... 7–8	....	OΣ	
8129	**Σ 2198**	**DM** (26°) 3066	37 49	26 36	24.8	7.65	7.0...11.0	1829.68	Σ 3	7.0 *yel.*
8130	**See 337**	**Cord. DM** (27°) 11888	37 56	−28 0	10.2	10.01	8 ... 9.5	1897.48	See 1	
8131	**HΣ**	**DM** (17°) 3319	37 58	17 45	50.1	15.74	8.5...11.5	1887.57	HΣ 1	
8132	**Σ 2200**	**DM** (5°) 3466	37 59	5 54	168.2	1.66	8.0... 8.8	1830.88	Σ 3	*White*
8133	**A 233**	**A. G. Berlin** 6104	38 16	24 51	233.4	3.15	8.2...13.3	1901.49	A 3	
8134	**Σ 2201**	**DM** (3°) 3483	38 24	3 1	302.2	7.20	7.8...10.5	1831.48	Σ 3	7.8 *yel.*
8135	**Schj. 15**	**W^1 XVII^h.** 726	38 28	− 1 41	355.5	55.03	7.1... 8.2	1890.46	Gla 2	
8136	**Σ 2202**	61 *Ophiuchi*	38 33	2 38	94.1	20.54	5.5... 5.8	1827.37	Σ 4	*White*
8137	**H 1303**	**W^1 XVII^h.** 1744	38 50	14 28	150.5	40±	5–6...11	1828+	H	7 m. in W^1
8138	**Ho 560**	**DM** (34°) 3031	39 2	34 0	92.4	0.35	8 ... 8	1894.62	Ho 2	
8139	**Σ 2210**	**DM** (49°) 2680	39 6	49 3	121.9	2.97	8.5...10.0	1831.73	Σ 4	8.5 *yel.*
8140	**Σ 2209** *rej.*	**DM** (43°) 2794	39 10	43 13	128.0	29.17	7.7... 9.7	1900.66	Es 2	
8141	**A 31**	**SD** (4°) 4346	39 15	− 4 21	1.2	1.18	9.0... 9.1	1899.66	A 3	
8142	**A 32**	**L** 32401	39 16	− 3 27	239.4	0.58	7.6... 9.5	1899.67	A 3	A and B
					139±	25±	7 ...14	1835.6	H	AB and C
8143	**OΣ 334**	**W^2 XVII^h.** 1258	39 17	34 50	356.5	15.16	7.4... 8.8	1848.06	OΣ 4	
8144	**Σ 2206**	**L** 32402	39 18	19 3	248.8	1.09	8.1... 9.7	1830.85	Σ 4	8.1 *very wh.*
8145	**Σ 2218**	**DM** (63°) 1371	39 32	63 44	355.1	2.47	6.5... 7.7	1836.78	Σ 3	*White: ash*
8146	**Σ 2204**	**L** 32402	39 35	−13 16	23.6	14.28	7.0... 7.2	1830.90	Σ 3	*White*
8147	**Δ 16**	**DM** (43°) 2795	39 45	43 48	211.7	19.42	8.5... 8.8	1830.35	Σ 3	A and BC (AB=
					144.4	1.28	...10.3	1865.61	Δ 5	B and C Σ 2214)
8148	**OΣ 340**	**Rad^1.** 3798	39 53:	86 58	237.2	31.50	7.8... 8.3	1847.46	OΣ 3	
8149	**Σ 2219**	**0. Arg. N.** 17459	40 5	61 40	103.7	17.73	8.0... 9.0	1832.28	Σ 2	*Yel.: wh.*
8150	**Σ 2208**	**SD** (4°) 4349	40 11	− 4 26	275.4	8.63	8.7...10.5	1830.48	Σ 2	
8151	**A 33**	**SD** (3°) 4171	17 40 16	− 3 51	233.1	0.60	8.2... 9.8	1899.66	A 3	(*A. N.* 3635)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8152	Σ 2213	*Herculis* 331	17^h 40^m 19^s	31°11′	333°.3	4'.45	7.5... 8.0	1836.60	Σ 3	*White*
8153	Σ 2205	DM (17°) 3326	40 24	17 46	291.0	2.52	8.3... 8.7	1830.87	Σ 3	*Very wh.*
8154	Hu 186	SD (18°) 4645	40 26	−18 3	340.0	1.00	7.2...11.3	1900.53	Hu 3	(*A. J.* 485)
8155	Σ 2211	L 32445	40 27	− 1 10	115.5	9.70	8.2... 9.2	1830.46	Σ 2	*Wh.*
8156	Σ 2212	DM (5°) 3487	40 34	5 45	341.4	3.13	8.5... 8.8	1835.62	Σ 3	*White*
8157	OΣ 335	L 32480	40 51	21 56	140.3	24.96	7.3... 8.3	1846.91	OΣ 3	
8158	Ho 70	W² XVII^h. 1299	41 2	30 35	110.1	0.46	8.1... 8.1	1883.02	Ho 2	
8159	Σ 2216 *rej.*	DM (5°) 3494	41 9	5 44	27.2	27.54	8.5... 9.5	1894.50	Lp	
8160	Σ 2217	W¹ XVII^h. 800	41 14	14 49	284.7	6.57	7.4... 7.8	1830.27	Σ 5	*Very wh.*
8161	A. G. 213	A. G. Lund 7280	41 26	34 55	179.4	19.25	9.0... 9.6	1903.50	β 2	
8162	A. Clark 7	μ *Herculis*	41 47	27 48	241.3	29.88	3.8... 9.5	1831.60	Σ 3	A and BC 3.8 *yel.*
					59.3	1.82	10½...11	1857.50	Da 2	B and C
8163	Σ 2215	W² XVII^h. 1314	41 50	17 44	310.6	0.75	5.9... 7.9	1831.53	Σ 7	*Wh.: ash*
8164	Σ 2224	*Herculis* 337	42 1	39 22	352.1	7.52	6.9...10.1	1831.11	Σ 4	6.9 *very yel.*
8165	Hu 187	SD (16°) 4622	42 6	−16 12	86.8	4.53	8.4...12.3	1900.54	Hu 3	(*A. J.* 485)
8166	H I. 41	L 32725	42 17	72 59	350.0	Cl. I	....	1782.66	H 1	
8167	Σ 2225	O. Arg. N. 17487	42 26	52 0	319.4	9.07	8.9... 9.2	1830.25	Σ 4	A and B
					342.8	4.82	8.4...11.6	1868.85	Δ 4	C and D
					246.4	231.18	....	1869.48	Δ 3	A and C
8168	Σ 2222	DM (14°) 3338	42 27	14 51	58.6	2.08	7.5... 9.2	1830.92	Σ 3	7.5 *yel.*
8169	H 2810	L 32492	42 28	−19 58	187.9	35±	8 ...11	1830+	H	
8170	Σ 2226	DM (35°) 3065	42 30	35 41	92.5	10.96	8.5...11.5	1829.75	Σ 2	8.5 *yel'sh*
8171	Σ 2221 *rej.*	DM (1°) 3516	42 38	1 12	....	III–IV	8.6...	....	Σ	Mag. from *Pos. Med.*
8172	β 824	DM (−1°) 3400	42 41	− 1 50	350.9	0.67	8.5... 8.6	1881.40	β 3	
8173	H 4986	O. Arg. S. 17253	42 50	−26 18	330±	12±	8 ...12	1834.3	H	
8174	H 1304	DM (25°) 3347	42 53	25 38	275.6	6±	10 ...11	1828+	H	
8175	Σ 2229	O. Arg. N. 17493	42 55	50 14	342.0	6.13	7.7... 9.7	1830.46	Σ 3	7.7 *yel'sh*
8176	Σ 2223 *rej.*	DM (5°) 3505	43 3	5 1	209.8	18.32	8 ... 9–10	1894.50	Lp	
8177	β 358	W² XVII^h. 1374	43 10	34 32	202.8	4.29	8.5...10.0	1879.37	Cin 2	
8178	O. Stone 37	B. A. C. 6026	43 29	−30 31	189.5	10.06	7.2... 8.2	1877.48	Cin 3	
8179	Σ 2228	DM (9°) 3476	43 31	9 13	107.3	18.58	9.0... 9.5	1829.55	Σ 2	
8180	β 632	L 32600	43 32	34 19	343.6	5.46	6.3...12.5	1877.97	β 1	A and B AC = OΣ 336 *rej.*
					164.0	44.66	...10.3	1843.31	Ma 1	A and C
8181	H 2811	SD (15°) 4695	43 40	−15 48	116.8	14±	10 ...11	1830+	H	
8182	Σ 2241	ψ *Draconis*	44 5	72 13	15.1	30.89	4.0... 5.2	1832.34	Σ 3	*White*
8183	Σ 2227	W¹ XVII^h. 850	44 8	5 22	296.6	19.68	8.8... 8.8	1830.22	Σ 3	
8184	H 855	DM (4°) 3520	44 20	4 16	83±	15±	10 = 10	1820+	H	
8185	β 1122	Cord. G. C. 24248	44 38	−28 27	175.2	1.31	10.4...10.9	1889.39	β 3	B and C
					10.3	6.39	8.0...10.0	1877.57	Cin 1	A and BC
					357.0	12.30	...12	1897.61	A 1	A and D
8186	OΣ 337	P XVII^h. 260	44 46	7 16	304.6	0.56	7.5... 8.0	1849.67	OΣ 4	
8187	Σ 2230	DM (7°) 3482	44 54	7 57	82.6	44.39	8.2... 8.7	1831.64	Σ 3	A and B AB *wh.*
					209.2	18.78	...10.5	1831.64	Σ 3	B and C
					107.0	36.45	....	1831.64	Σ 3	A and C
8188	Hu 188	SD (13°) 4770	44 58	−13 35	48.8	0.48	9.0...10.7	1900.50	Hu 3	(*A. J.* 485)
8189	Barnard 8	....	45 :	23 50:	239.5	1.26	8.5...10.0	1895.36	Bar 1	(*A. J.* 447)
8190	A. G. 214	A. G. Leiden 6363	45 8	34 39	206.0	4.41	9.2...10.2	1903.51	β 2	
8191	β 1123	Cord. G. C. 24262	45 20	−34 42	212.8	0.58	7.4... 7.8	1889.48	β 4	
8192	Σ 2232	DM (25°) 3357	45 22	25 19	142.9	6.51	7.0... 8.5	1830.75	Σ 3	*Wh.: bluish*
8193	Σ 2231 *rej.*	DM (12°) 3308	45 27	12 13	....	III–IV	8–9... 9	....	Σ	
8194	H 1305	DM (25°) 3358	45 29	25 7	284.9	9±	10 ...11	1828+	H	
8195	H 4990	....	45 41	−22 19	....	....	....	1834+	H	
8196	H 4991	Cord. DM (26°) 12487	45 52	−26 38	179.0	18±	9½ = 9½	1834.3	H	
8197	Σ 2233	DM (2°) 3415	45 52	2 56	68.9	2.04	7.5...10.3	1832.19	Σ 3	7.5 *yel'sh*
8198	S 694	*Ophiuchi* 295	45 55	1 8	237.9	82.68	7 ... 7¼	1825.00	S 2	
8199	Σ 2238	DM (37°) 2953	17 45 58	37 47	289.0	2.05	9.2... 9.7	1831.29	Σ 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8200	Howe 41	....	17^h 46^m : ^{s}	3° 2:′	214°.9	2′.93	9.5...10.0	1879.46	Cin 1	
8201	Lewis 16	....	46 :	15 21:	354.5	1.26	10.0...10.5	1900.70	L 1	
8202	H 4993	SD (13°) 4778	46 6	−13 18	305.9	15±	9½...10	1835.6	H	
8203	Σ 2236	DM (35°) 3079	46 8	35 28	91.4	3.01	7.8... 9.8	1830.45	Σ 3	*7.8 wh.*
8204	Σ 2234	SD (7°) 4515	46 13	− 7 55	199.7	16.23	8.6... 9.3	1831.93	Σ 5	
8205	....	O. Arg. S. 17320	46 12	−28 40	2.2	2.01	10.0...11.0	1880.52	Cin 1	
8206	Σ 2237	DM (42°) 2929	46 14	41 59	8.2	20.37	7.2... 9.5	1829.73	Σ 2	*7.2 wh.*
8207	Hu 189	SD (13°) 4779	46 17	−13 37	231.7	1.21	7.5... 8.7	1900.49	Hu 3	(*A. J.* 485)
8208	Ho 422	SD (5°) 4517	46 17	− 5 17	19.8	0.48	8.2... 9.0	1893.60	Ho 3	
8209	Σ 3128	W^1 XVII^h. 905	46 28	− 7 53	26.6	1.52	7.0...10.5	1834.24	Σ 3	*7.0 yel.*
8210	OΣ 338	L 32693	46 34	15 21	44.3	0.68	6.6... 6.9	1845.21	OΣ 4	*Golden*
8211	Σ 2235	SD (2°) 4480	46 44	− 2 14	123.5	18.36	7.5... 9.1	1830.50	Σ 4	*7.5 yel.*
8212	Ho 561	L 32682	46 49	− 5 54	329.2	32.12	6.5...11.7	1897.04	Ho 2	(*A. N.* 3557)
8213	Lewis 17	....	47 :	15 32:	292.7	2.18	9.0... 9.5	1902.67	L 1	(*M. N.* LXIII, 403)
8214	Hd 147	....	47 :	−17 22:	206.2	....	10 ...10	1868.52	Hd	
8215	Σ 2239	W^1 XVII^h. 1472	47 2	28 16	318.3	2.23	8.5... 9.0	1830.75	Σ 3	
8216	H 4995	L 32695	47 26	−11 19	140±	18±	6½...12	1836.5	H	
8217	H 2812	....	47 27	−19 9	139.3	5±	11 ...12	1830+	H	
8218	β 964	Rad^I. 3775	47 39	48 26	329.2	0.97	7.5...12.5	1879.27	β 1	
8219	Σ 2240	DM (5°) 3531	47 39	5 17	200.4	2.93	9.0... 9.7	1831.99	Σ 3	*White*
8220	Σ 2242	W^2 XVII^h. 1511	47 40	44 56	327.0	3.46	7.8... 7.8	1830.44	Σ 3	*White*
8221	A 234	A. G. Camb. 8496	47 42	25 38	30.5	0.41	8.8... 9.1	1901.60	A 4	
8222	H 1306	DM (14°) 3357	47 42	14 2	0.0	40±	9–10...10	1828+	H	
8223	H 1307	W^2 XVII^h. 1493	47 45	27 13	327.0	25±	8 ...11	1828+	H	
8224	OΣ (App) 160	DM (10°) 3315	47 46	10 59	190.9	102.17	8.2... 8.6	1900.46	β 2	
8225	Ku 56	DM (19°) 3457	48 4	19 5	126.8	2.88	9.6...10.3	1901.55	Ku 2	A and B } Kustner (3821)
					359.2	25.48	...10.4	1901.55	Ku 2	A and C
8226	Innes 109	Cord. 17^h. 3241	48 9	−28 3	242.5	5.63	9.7...10.5	1900.54	I 1	
8227	Hn 139	L 32716	48 13	−11 37	154.2	3.71	6.5...10.3	1888.63	Com 3	
8228	A. Clark 8	DM (29°) 3134	48 15	29 42	224.0	0.35±	8.2 ...8.2	1857.62	Da 1	
8229	Ho 562	DM (20°) 3595	48 16	20 57	257.8	3.46	9 ... 9.5	1896.52	Ho 2	(*A. N.* 3557)
8230	A 235	A. G. Berlin 6181	48 25	25 1	65.2	0.20	7.9... 8.1	1901.60	A 4	
8231	H 2813	W^2 XVII^h. 1523	48 37	23 9	219.5	12±	9 ...11	1830+	H	
8232	Ho 71	....	48 48	55 24	226.8	3.67	9.2... 9.6	1885.13	Ho 2	
8233	H 4997	SD (11°) 4481	49 1	−11 55	265.7	12±	10 = 10	1835.6	H	
8234	Σ 2243	DM (36°) 2966	49 4	36 7	46.7	1.74	8.3... 8.8	1831.06	Σ 3	*Yel.*
8235	β 130	90 *Herculis*	49 24	40 2	123.0	1.82	5.9... 9.2	1875.52	Δ 6	
8236	H 2814	B. A. C. 6065	49 25	−15 47	159.4	20±	6–7...10	1830+	H	A and B }
					348.7	25±	...16	1830+	H	A and C
8237	A. Clark 9	DM (29°) 3139	49 31	29 50	231.2	1.12	8.3... 8.8	1857.52	Da 2	
8238	A 236	A. G. Camb. 8520	49 40	25 28	245.1	4.02	8.8...15.0	1901.47	A 3	
8239	A. G. 215	A. G. Leiden 6413	50 38	31 35	53.9	28.96	9.5...10.5	1903.95	β 2	
8240	H 5002	Cord. DM (23°) 13702	50 53	−23 58	39.5	3±	11 = 11	1834.3	H	
8241	Σ 2244	DM (0°) 3816	50 55	0 5	272.7	1.05	6.9... 7.1	1830.92	Σ 4	*White*
8242	OΣ 339	L 32876	51 3	21 31	181.3	2.78	7.5... 9.9	1852.61	OΣ 7	
8243	Σ 2245	P XVII^h. 300	51 8	18 21	294.0	2.62	7.0 = 7.0	1829.18	Σ 4	*Yel'sh wh.: wh.*
8244	H 5003	B. A. C. 6074	51 23	−30 14	104±	6±	7 ... 8	1837.5	H	
8245	Ho 72	DM (33°) 2990	51 27	33 27	7.8	3.22	9.0...11.5	1885.11	Ho 2	A and B }
					38.4	9.25	...13	1883.52	Ho 1	A and C
8246	Σ 2246	DM (39°) 3269	51 28	39 31	102.5	5.50	8.3... 8.8	1831.45	Σ 3	*White*
8247	Σ 2251	DM (49°) 2708	51 32	49 39	32.5	14.41	8.2...11.2	1830.43	Σ 3	8.2 *yel.*
8248	Kr 47	A. G. Hels. 9522	51 40	64 16	25.6	7.32	9.5...10.5	1890.77	β 1	
8249	β 1299	DM (10°) 3337	51 50	10 58	153.6	0.51	8.5... 8.5	1900.49	β 2	A and B }
					63.0	27.09	...11.5	1900.50	β 3	AB and C
8250	Hu 190	SD (13°) 4807	51 56	−13 3	218.1	0.48	9.2...10.5	1900.47	Hu 3	(*A. J.* 485)
8251	Δ 17	DM (29°) 3150	52 3	29 31	131.1	23.62	9.1... 9.5	1868.57	Δ 3	
8252	β 417	L 32939	17 52 13	39 27	270.2	1.58	8.1...10.0	1877.37	Δ 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8253	Σ 2250	W^1 XVII^h. 1058	17^h 52^m 50^s	− 6° 51′	346°5	7″72	8.0... 9.0	1830.84	Σ 3	*Very wh.*
8254	Ho 423	DM (28°) 2872	52 52	28 1	292.4	4.46	8.3...11.0	1890.54	Ho 2	
8255	Σ 2253	W^1 XVII^h. 1073	52 55	14 38	80.4	18.06	7.5...10.2	1829.53	Σ 2	7.5 *yel'sh*
8256	Bird 3	O. Arg. N. 17688	52 55	67 1	329.6	23.01	8.4... 8.5	1879.29	β 1	A and B
					330.0	10.15	...11.0	1879.29	β 1	B and C
					147.2	11.87	....	1879.29	β 1	A and C
8257	Σ 2247	DM (29°) 3153	52 57	29 30	191.2	11.39	8.5... 9.0	1830.99	Σ 2	*White*
8258	Hu 191	SD (13°) 4812	52 57	−13 44	120.9	4.30	9.1... 9.2	1900.47	Hu 3	(*A. J.* 485)
8259	Ho 73	DM (35°) 3111	52 58	35 42	30.5	1.68	9.0... 9.0	1885.10	Ho 2	A and B
					301.9	8.38	...13	1885.10	Ho 2	AB and C
8260	Σ 2252	W^1 XVII^h. 1063	52 58	2 3	22.9	3.77	8.0... 8.3	1831.34	Σ 3	*White*
8261	Ho 424	L 32949	53 1	28 16	202.7	0.95	8.0...11.0	1890.54	Ho 2	
8262	H 1308	....	53 3	9 24	113.6	12±	10 = 10	1828+	H	
8263	Σ 2255	DM (41°) 2934	53 4	41 16	342.7	8.31	8.5...10.5	1830.74	Σ 2	
8264	Σ 2257 *rej.*	DM (35°) 3112	53 8	35 42	149.5	21.42	7 ...11	1900.55	Es 2	
8265	Hu 192	SD (14°) 4841	53 10	−14 29	136.2	2.53	9.0...12.8	1900.58	Hu 3	(*A. J.* 485)
8266	Hu 753	SD (11°) 4507	53 18	−11 32	128.1	5.66	8.5...12.0	1900.47	Hu 3	
8267	Ho 425	L 32969	53 24	27 25	142.5	5.31	7.0...12.0	1891.54	Ho 2	
8268	Σ 2254	DM (12°) 3346	53 27	12 27	260.0	3.22	8.3... 8.7	1831.00	Σ 3	*Very wh.*
8269	A 34	SD (5°) 4550	53 31	− 5 25	293.2	1.28	9.0...13.2	1899.68	A 3	(*A. N.* 3635)
8270	Σ 2258	DM (48°) 2602	53 35	48 38	221.4	2.60	8.5... 8.7	1830.07	Σ 3	*Very wh.*
8271	Hu 235	DM (45°) 2629	53 41	45 52	265.4	1.53	6.7... 9.3	1900.71	Hu 3	(*A. J.* 494)
8272	H 2816	....	53 45	21 55	137.7	5±	11 ...12	1830+	H	
8273	H 2815	....	53 48	−18 59	113.1	12±	9–10...12	1830+	H	
8274	β 633	γ *Draconis*	53 49	51 30	152.1	20.88	2 ...13	1878.38	β 2	A and B
					227.1	47.89	...12.5	1878.38	β 1	A and C
					13.7	56.68	...12.5	1878.38	β 1	A and D
					234.8	97.54	...11.5	1898.30	β 2	A and E
					116.3	124.77	...10.8	1879.27	β 1	A and F
					28.0	139.24	...11.5	1898.27	β 1	A and G
8275	Hn 140	SD (20°) 4945	53 56	−20 47	265.6	2.19	8.8... 9.9	1888.68	Com 3	
8276	Ho 74	DM (33°) 3000	54 0	33 30	122.2	3.01	8.7...12.7	1883.63	Ho 2	
8277	O. Stone 38	Cord. DM (27°) 12259	54 3	−27 39	85.1	6.5±	8.5...10.5	1877.60	Cin 1	
8278	Hu 236	SD (10°) 4581	54 17	−10 11	119.0	1.20	9.0...12.5	1900.51	Hu 1	(*A. J.* 494)
8279	Σ 2259	W^2 XVII^h. 1702	54 27	30 3	278.6	19.38	7.0... 8.0	1831.78	Σ 3	*Yel.: blue*
8280	OΣ (App) 161	L 32901	54 29	8 52	77.9	62.70	6.3... 8.2	1874.98	Δ 3	
8281	Cordoba	Cord. DM (27°) 12272	54 30	−27 30	159.7	2.90	8.5... 9.0	1901.37	β 1	
8282	♅ III. 107	....	54 34	−21 48	215.2	15.17	....	1783.64	♅ 1	
8283	Espin 78	DM (51°) 2283	54 35	51 12	136.5	6.5	8.8...11.5	1901	Es	(*A. N.* 3784)
8284	β 1124	67 (o) *Ophiuchi*	54 38	2 56	195.6	6.79	5 ...14.8	1889.39	β 3	A and B
					129.2	8.46	9 ...13	1878.57	β 1	C and D CD = β 634
					143.1	55.23	... 9	1823.41	Sh 1	A and C
					179.8	45.94	...12	1878.57	β 1	A and E
8285	β 283	B. A. C. 6088	54 38	−22 47	239.3	8.05	6 ...12.5	1878.86	β 3	A and B
					34.4	14.10	...14	1892.39	β 1	A and C
8286	Ho 75	W^2 XVII^h. 1727	54 45	34 5	212.7	1.29	9 ...11	1883.64	Ho 2	
8287	Espin 20	*T Draconis*	54 49	58 14	227.6	14.32	Var...10.0	1892.53	Es 2	(*A. N.* 3717)
8288	β 47	L 32978	54 52	−10 14	268.3	1.84	8.9...10.9	1875.74	Δ 4	(See p. 1079)
8289	O. Stone 39	....	55 :	−24 22:	347.5	3.68	9 ... 9	1877.61	Cin 1	
8290	H 1309	DM (25°) 3400	55 1	25 33	2.4	2±	10 ...11	1828+	H	
8291	H 1310	....	55 4	25 35	25.3	6±	10 ...10–11	1828+	H	
8292	♅ N. 40	L 32971	17 55 6	−23 1	22.5	6.06	8.0...10.6	1890.54	β 3	A and B
					212.3	10.71	... 8.8	1890.54	β 3	A and C
					281.7	2.17	...10.5	1890.55	β 2	C and D
					190.8	6.19	...12.4	1890.55	β 3	C and E
					106.4	22.06	...13.8	1890.55	β 3	A and F
					211.9	29.56	...13.2	1890.55	β 3	C and G

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8293	**Hn 32**	Cord. DM (27°) 12299	17^h 55^m 15^s	−27° 4′	101°5	4′54	8.0... 8.8	1881.44	β 3	
8294	**Arg. 31**	O. Arg. S. 17511	55 17	−24 15	27.5	35.64	8.0... 9.0	1879.59	Cin 2	
8295	**OΣ (App) 163**	Rad^1. 3808	55 22	62 37	36.9	59.39	7.0... 7.1	1875.58	Δ 3	
8296	**Weisse 32**	W^1 XVII^h. 1120	55 22	−14 30	....	....	9 ...	....	....	
8297	**Σ 2261**	O. Arg. N. 17707	55 23	52 14	262.5	9.21	7.5... 9.5	1829.80	Σ 2	7.5 *yel'sh wh.*
8298	**β 1202**	DM (3°) 3564	55 33	3 32	353.1	0.74	8.2... 9.3	1890.48	β 3	A and B
					93.2	3.91	9.4...11.3	1890.48	β 3	C and D
					28.2	103.87	....	1890.47	β 4	AB and C
					138.5	90.32	... 8.5	1890.47	β 3	AB and E
8299	**β 1125**	68 *Ophiuchi*	55 40	1 19	14.9	1.01	5.1... 9.9	1889.39	β 5	
8300	**O. Stone 40**	....	56 :	−27 32:	163.3	3.10	7.7... 8.5	1877.08	Cin 3	
8301	**Σ 2263**	DM (26°) 3145	56 6	26 33	161.8	7.27	8.2... 9.2	1830.75	Σ 3	*White*
8302	**Σ 2264**	95 *Herculis*	56 24	21 36	261.7	6.06	4.9... 4.9	1829.90	Σ 4	*Greenish yel.: reddish yel.*
8303	**Σ 2262**	τ *Ophiuchi*	56 33	− 8 11	199.9	0.43	5.0... 5.7	1836.62	Σ 5	*Yel'sh.*
8304	**β 635**	DM (1°) 3565	56 41	1 37	114.5	1.58	9.0...10.0	1878.07	β 2	A and B
					121.8	69.31	... 8.1	1891.55	β 2	A and C
8305	**A 35**	SD (2°) 4537	56 43	− 2 37	294.6	1.56	8.6... 8.8	1899.69	A 3	(*A. N.* 3635)
8306	**β 1126**	Yar. 7599	56 53	−24 15	55.6	0.63	8.7... 9.5	1889.40	β 4	A and B
					23.3	4.05	... 9.6	1889.40	β 4	A and C
8307	**S 698**	L 33058	56 57	−22 30	317.4	30.92	8 ... 9½	1825.51	S 2	9½ *blue*
8308	**Egbert 6**	....	57 :	−25 28:	14.3	4.80	9.2... 9.7	1879.59	Cin 2	
8309	**Ho 76**	L 33130	57 12	33 20	202.4	13.34	6 ...13	1884.75	Ho 3	
8310	**Ho 563**	DM (53°) 2010	57 14	53 4	202.4	0.77	9 ... 9	1897.55	Ho 2	
8311	**Hu 193**	SD (14°) 4870	57 14	−14 15	122.3	0.63	9.5... 9.6	1900.58	Hu 3	(*A. J.* 485)
8312	**H 5010**	O. Arg. S. 17564	57 15	−24 20	....	....	....	1834+	H	
8313	**See 346**	Cord. G. C. 24577	57 21	−29 35	233.4	33.38	4.9...14.6	1897.48	See 1	
8314	**OΣ (App) 164**	DM (7°) 3537, 3536	57 26	7 55	2.9	49.80	7.3... 8.2	1875.00	Δ 3	
8315	**H 2817**	SD (19°) 4825	57 31	−19 36	275.7	7±	10 ...10–11	1830+	H	
8316	**Ho 564**	DM (26°) 3151	57 37	26 22	324.7	23.24	7.0...12.7	1897.04	Ho 2	(*A. N.* 3557)
8317	**H 5013**	SD (15°) 4801	57 38	−15 5	339±	4±	9 ...13	1835.6	H	
8318	**Hu 194**	SD (17°) 5007	57 40	−17 2	305.4	0.45	8.6...10.0	1900.59	Hu 4	(*A. J.* 485)
8319	**Σ 3129**	DM (45°) 2643	57 41	45 21	168.6	31.11	7.3...10.2	1830.38	Σ 3	7.3 *wh.*
8320	**Σ 2271**	DM (52°) 2125	57 41	52 51	262.3	1.88	7.3... 8.3	1831.48	Σ 3	*White*
8321	**Σ 2267**	DM (40°) 3263	57 48	40 11	234.2	1.41	8.0... 8.0	1830.66	Σ 3	*White*
8322	**Ho 77**	L 33163	57 49	40 20	312.0	1.87	7.7...12	1884.20	Ho 2	
8323	**Σ 2270** *rej.*	DM (45°) 2645	57 59	45 17	....	Cl. II	8–9... 9	....	Σ	
8324	**Σ 2265**	DM (6°) 3607	58 15	6 27	282.7	24.49	8.4... 9.4	1831.30	Σ 4	*White*
8325	**β 825**	L 33157	58 20	25 22	197.7	11.41	8.4...13	1881.37	β 3	A and B
					232.2	9.82	... 8.5	1891.44	β 2	B and C AC = Σ 2268
					218.2	18.13	8.0... 9.0	1829.70	Σ 2	A and C
8326	**Ho 565**	DM (26°) 3157	58 21	26 4	62.4	0.31	8.3... 8.3	1896.92	Ho 2	
8327	**Σ 2266**	L 33133	58 23	3 29	184.3	8.81	8.0...10.5	1830.52	Σ 2	8.0 *very wh.*
8328	**Σ 2299** *rej.*	DM (84°) 397	58 29:	84 5	....	Cl. IV	8 ... 8	....	Σ	
8329	**Σ 2273**	O. Arg. N. 17787	58 35	64 9	284.7	20.53	6.8... 7.3	1832.49	Σ 3	*Yel'sh wh.: bluish wh.*
8330	**Σ 2269**	L 33158	58 43	14 47	164.4	20.10	7.5...10.8	1830.28	Σ 3	7.5 *wh.*
8331	**β 1127**	Groom. 2500	58 59	44 14	144.7	0.80	7.8... 9.7	1889.53	β 3	
8332	**Hd 148**	....	59 :	−25 25:	14.9	5.35	11 ...11	1868.60	Hd 1	
8333	**Lewis 18**	....	59 :	44 13:	134.3	0.53	8.9... 9.0	1899.37	L 1	
8334	**H 1311**	....	59 3	13 29	92.5	4±	11 ...12	1828+	H	
8335	**Ho 426**	W^2 XVII^h. 1848	59 6	26 39	192.8	12.36	7 ...12	1890.60	Ho 2	
8336	**H 1312**	....	59 15	13 33	57.5	12±	10 ...11	1828+	H	
8337	**Σ 2275**	DM (39°) 3308	59 20	39 21	127.9	1.08	9.0... 9.2	1832.20	Σ 3	
8338	**Doo 10**	....	59 20	41 58	293.5	4.38	9.2...11.0	1900.66	Doo 3	
8339	**H 5016**	W^1 XVII^h. 1221	59 22	− 4 33	89.3	5±	10 ...11	1835.6	H	
8340	**Σ 2272**	70 *Ophiuchi*	59 23	2 33	148.2	3.98	4.1... 6.1	1825.57	Σ 14	*Yel.: purple*
8341	**H 2818**	SD (17°) 5020	17 59 35	−17 13	144.0	12±	9–10...10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8342	H 592	O. Arg. S. 17633	17^h 59^m 39^s	−19° 0′	215° ±	25″ ±	8 ...10	1820+	H	
8343	Σ 2274 *rej.*	DM (23°) 3255	59 47	23 53	....	Cl. IV	8 ...10	....	Σ	
8344	OΣ 534	W^2 XVII^h. 1880	59 54	21 26	272.8	2.13	7.5... 9.5	1852.95	OΣ 3	*7.5 reddish*
8345	Lewis 19	....	18 0 :	39 23:	271.5	0.20	9.0... 9.2	1897.47	L 1	
8346	O. Stone 41	....	0 :	−19 0:	277.4	19.58	8.5... 9.2	1879.93	Cin 2	
8347	Σ 2277	*Herculis* 401	0 1	48 28	117.9	27.59	6.3... 8.2	1830.06	Σ 3	*6.3 wh.*
8348	Σ 2276	P XVII^h. 362	0 8	12 0	257.9	6.84	6.0... 7.0	1830.09	Σ 3	*Yel'sh wh.: bluish wh.*
8349	OΣ (App) 165	W^1 XVII^h. 1247	0 8	4 33	142.3	65.98	7.4... 7.9	1874.98	Δ 3	
8350	Wash. Zones	No. 56, Z 164	0 9	−25 35	65.6	13.53	8.0... 9.0	1877.58	Cin 1	
8351	Espin 79	DM (55°) 2014	0 27	55 52	81.4	5.6	9.3...11.5	1901	Es	A and B (*A. N.* 3784)
					94.2	24.6	... 9.3	1901	Es	A and C
8352	Ho 78	W^2 XVII^h. 1917	0 29	33 16	202.3	7.74	7.0...13	1884.81	Ho 2	
8353	OΣ 341	W^2 XVII^h. 1915	0 44	21 26	93.4	0.49	6.4... 7.7	1849.18	OΣ 6	
8354	Σ 2278	O. Arg. N. 17821	0 47	56 26	22.5	38.92	6.8... 7.3	1831.56	Σ 3	A and B *White*
					147.8	5.97	... 7.8	1831.56	Σ 3	B and C
8355	β 243	O. Arg. S. 17669	0 55	−22 17	123.3	0.76	8.2... 8.2	1881.58	β 3	
8356	β 244	L 33188	1 1	−27 53	261.1	2.06	8.0... 9.0	1876.56	Cin 1	
8357	Σ 2284	DM (65°) 1233	1 13	65 57	193.7	3.67	7.6... 9.2	1832.81	Σ 3	*Yel'sh: ash*
8358	β 418	O. Arg. N. 17847	1 28	64 26	227.9	14.33	8.2...12.0	1879.29	β 1	
8359	OΣ 342	72 *Ophiuchi*	1 40	9 33	301.2	25.30	4 ...14	1890.63	H Σ 3	A and C
					170±	60±	...(14)	1827.60	H	A and D
8360	Σ 2279	DM (50°) 2520	1 42	50 52	182.8	12.99	8.7... 8.8	1829.51	Σ 3	
8361	H 1313	DM (28°) 2919	1 42	28 42	321.9	8±	10 ...12	1828+	H	
8362	A. G. 216	A. G. Alb. 6092	1 43	3 16	88.4	1.89	9.0... 9.1	1902.46	M 3	
8363	Ho 79	DM (33°) 3025	1 47	33 25	7.5	0.37	9.0... 9.0	1884.60	Ho 1	
8364	OΣ 343	L 33337	1 47	48 8	77.5	2.64	7.2...10.2	1846.68	OΣ 3	
8365	Ho 427	SD (22°) 4583	1 57	−22 48	67.4	11.30	8.5...12	1890.61	Ho 1	
8366	H 2819	SD (18°) 4805	2 1	−18 27	115.0	15±	10 ...11	1830+	H	
8367	β 636	L 33280	2 4	2 12	127.0	4.92	7.0...12.2	1878.62	β 2	A and B
					99.8	15.08	...14	1898.34	β 1	A and C
8368	β 826	DM (9°) 3566	2 5	9 45	341.1	0.60	9.6... 9.7	1881.57	β 3	
8369	Ḫ V. 74	L 33302	2 17	13 3	129.2	40.90	....	1783.43	Ḫ 1	
8370	OΣ 524	L 33312	2 18	19 39	86.5	0.37	7.0... 8.3	1853.36	OΣ 4	
8371	β 245	*Sagittarii* 46	2 21	−30 45	352.1	4.02	6.0... 9.0	1877.53	Cin 1	
8372	A. Clark 15	99 *Herculis*	2 28	30 33	347.1	1.71	6 ...10.5	1859.63	Da 2	
8373	Barnard 9	....	2 37	−24 8	185.1	5.09	10 ...12	1894.59	Bar 2	A and B
					140.0	34.15	...13	1894.59	Bar 2	A and C
8374	H 1314	DM (32°) 3049	2 37	32 22	152.5	15±	9-10...10	1828+	H	
8375	Σ 2282	*Herculis* 414	2 38	40 21	93.2	2.44	7.2... 8.2	1831.34	Σ 3	*Very wh.*
8376	Ho 428	Cord. G. C. 24715	2 39	−29 14	80.3	0.74	8 ... 8	1893.54	Ho 1	
8377	Σ 2280	100 *Herculis*	2 59	26 5	182.9	13.85	5.9... 5.9	1831.72	Σ 6	*Greenish wh.*
8378	Perry	....	3 :	9 20:	305.0	2.0	8.5...11	1881.38	P	
8379	Hu 314	DM (18°) 3566	3 14	18 37	146.6	0.35	8.3... 8.5	1901.50	Hu 3	(*Bul. L. O. No.* 12)
8380	Σ 2281	73 *Ophiuchi*	3 36	3 58	259.7	1.54	5.7... 7.2	1831.05	Σ 3	*White*
8381	S 700	SD (16°) 4736	3 38	−16 47	354.6	28.97	9 ... 9½	1825.53	S 2	
8382	A. G. Clark 8	102 *Herculis*	3 38	20 48	136.7	23.42	5.5...12.5	1878.45	β 1	
8383	Σ 2290	DM (49°) 2730	3 39	50 0	351.2	3.89	8.5...10.8	1832.17	Σ 3	
8384	Σ 2283	DM (6°) 3638	3 43	6 8	91.9	1.20	7.2... 7.7	1832.60	Σ 6	
8385	Σ 2285	DM (13°) 3540	3 45	13 28	338.7	3.46	8.2...10.0	1830.30	Σ 3	*8.2 yel'sh wh.*
8386	Hu 195	SD (17°) 5052	3 48	−17 10	72.5	1.07	8.5...12.9	1900.58	Hu 4	A and B
					285±	12±	9 ...13	1820+	H	AB and C
8387	β 759	Cord. G. C. 24739	3 49	−39 22	121.4	1.81	8.9... 9.1	1889.40	β 3	A and B
					152.5	15±	... 9	1835.5	H	A and C
8388	β 637	W^2 XVIII^h. 28	3 54	3 6	195.2	7.26	6.5...12.5	1878.64	β 1	
8389	Hu 315	DM (23°) 3272	4 3	23 33	47.1	0.44	9.3... 9.3	1901.69	Hu 3	(*Bul. L. O.* No. 12)
8390	β 132	B. A. C. 6158	18 4 7	−19 52	240.1	0.78	6.8... 7.2	1875.02	Δ 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8391	OΣ 344	L 33444	18^h 4^m 7^s	49°42′	155°.1	2″.17	6.7...10.8	1847.69	OΣ 3	*6.7 wh.*
8392	Σ 2286	L 33355	4 17	0 31	322.0	2.42	7.5...10.2	1831.68	Σ 3	*7.5 very wh.*
8393	β 638	DM (2°) 3516	4 19	2 34	10.5	1.71	9.0...11.8	1878.62	β 2	B and C
					152.0	22.33	9.0...	1878.62	β 1	A and B
8394	Σ 2288 *rej.*	W^1 XVIII^h. 40	4 22	2 30	63.0	16.18	9.5...12	1863.63	Hl 1	
8395	H 5030	L 33330	4 24	−23 44	281.0	30±	5½...13	1834.3	H	
8396	H 2820	SD (18°) 4826	4 45	−18 26	281.9	3±	10 ...13	1830+	H	A and B
					90.0	8±	...12	1830+	H	A and C
8397	Ho 80	DM (35°) 3161	4 47	35 9	188.4	0.46	7.5...11	1884.72	Ho 1	
8398	Σ 2289	*Herculis* 417	4 47	16 27	243.1	1.20	6.0... 7.1	1829.96	Σ 4	*Yel.: bluish*
8398½	Ho 267	*Schj.* 6581	4 53	− 5 13	355.6	15.70	7 ...13	1889.72	Ho 1	(*A. N.* 2977)
8399	A 237	DM (31°) 3188	4 54	31 43	98.6	1.88	9.0...11.0	1901.72	A 3	
8400	Ho 429	SD (15°) 4856	4 57	−15 42	24.0	3.26	8.1...12	1889.67	Ho 2	
8401	Hu 316	DM (18°) 3578	5 4	18 15	156.8	1.75	9.0...10.1	1901.50	Hu 3	(*Bul. L. O.* No. 12)
8402	H 1315	....	5 18	29 39	133.7	3±	10–11..12	1828+	H	
8403	Lv 7	SD (15°) 4864	5 35	−15 23	278.0	3.80	8.1...11.7	1892.53	Lv 2	
8404	Σ 2291	DM (34°) 3141	5 53	34 0	339.2	25.12	8.5... 9.0	1830.73	Σ 2	*White*
8405	H 1821	SD (16°) 4755	5 54	−16 20	273.6	4±	11 ...11+	1828+	H	
8406	A 36	....	5 58	− 7 19	195.4	1.29	11.0...11.3	1899.76	A 1	
8407	Ho 81	W^2 XVIII^h. 140	5 58	32 20	211.3	2.53	8.0...11.7	1883.64	Ho 2	
8408	Hu 317	DM (17°) 3470	6 1	17 12	21.4	1.87	8.5... 8.8	1901.54	Hu 3	(*Bul. L. O.* No. 12)
8409	A 37	SD (6°) 4724	6 4	− 6 5	35.7	2.13	10.1...10.5	1899.75	A 2	(*A. N.* 3635)
8410	A 83	SD (3°) 4252	6 17	− 3 31	312.8	0.78	8.4... 8.5	1900.36	A 4	(*A. N.* 3668)
8411	A 238	A. G. Camb. 8712	6 28	25 18	89.5	0.49	8.5... 9.5	1901.50	A 3	
8412	A 353	A. G. Albany 6143	6 30	4 14	14.0	1.65	8.9...11.0	1902.72	A 3	(*Bul. L. O.* No. 29)
8413	β 292	*μ Sagittarii*	6 35	−21 5	259.2	16.91	4 ...11.0	1878.42	β 1	A and B
					118.7	25.20	...13	1878.51	β 1	A and C
					312.1	48.32	... 9.5	1879.36	β 1	A and D
					115.4	50.13	... 9.5	1879.36	β 1	A and E
8414	β 131	L 33443	6 42	−15 38	278.5	2.71	7.2... 9.2	1875.01	Δ 4	A and B
					278.7	7.13	...11.6	1880.53	β 2	A and C
8415	H 594	O. Arg. S. 17855	6 43	−18 50	122.0	7.38	7.5... 8	1857.55	Se 2	A and B
					238.8	13.30	... 8.7	1857.55	Se 2	A and C
8416	Hu 674	DM (50°) 2531	6 45	50 23	279.0	0.47	7.5... 8.0	1904.32	Hu 2	
8417	Σ 2293 *rej.*	DM (48°) 2649	6 46	48 22	....	III–IV	8 ...11	....	Σ	
8418	OΣ 345	L 33474	6 57	5 48	65.0	1.04	7.3...10.3	1845.15	OΣ 2	
8419	Hn 141	O. Arg. S. 17868	7 0	−23 42	26.4	1.57	9.2...10.2	1888.68	Com 3	
8420	Σ 2302	*Draconis* 159	7 16	75 46	246.1	5.84	7.0...10.0	1833.26	Σ 3	A and B *7.5 very wh.*
					282.2	23.21	... 9.5	1833.26	Σ 3	A and C *9.5 bluish*
8421	Σ 2292	DM (27°) 2977	7 21	27 37	261.2	1.39	8.0... 8.1	1830.40	Σ 4	*Very wh.*
8422	Ho 82	L 33521	7 22	33 25	207.1	0.55	6 ...10	1885.11	Ho 2	
8423	See 348	Cord. G. C. 24836	7 38	−24 32	310.1	0.67	9 ...10	1897.67	Cg 1	
8424	A 239	A. G. Hels. 9670	7 44	59 43	39.0	17.50	8.5...	1901.72	A 1	A and B
					189.0	3.50	10.0...11.2	1901.81	A 2	B and C
					87.2	24.52	... 9.0	1901.72	A 1	A and D
8425	H 2825	DM (22°) 3304	7 52	22 30	22.0	12±	10–11..12	1830+	H	
8426	H 2823	SD (19°) 4923, 4922	7 55	−19 58	300±	....	....	1830+	H	
8427	Hn 142	L 33492	7 58	−11 15	243.2	1.18	9.8...10.0	1888.72	Com 3	
8428	Σ 2295	DM (31°) 3203	8 4	31 33	173.9	11.60	8.2...10.3	1831.41	Σ 3	8.2 *yel.*
8429	β 286	16 *Sagittarii*	8 4	−20 25	218.5	5.67	6.0...13	1878.57	β 3	
8430	Hu 196	DM (8°) 3621	8 10	8 57	345.1	0.25	9.0... 9.2	1900.59	Hu 2	(*A. J.* 485)
8431	H V. 93	W^2 XVIII^h. 210, 211	8 17	28 13	135.7	47.77	....	1783.65	H 1	
8432	H 856	W^1 XVIII^h. 130	8 23	− 4 43	237±	18±	9+...10	1820+	H	
8433	Σ 2294	DM (0°) 3892	8 25	0 9	91.9	1.06	7.4... 7.7	1831.00	Σ 4	*White*
8434	See 349	....	8 27	−18 41	122.7	11.08	8 ...13.7	1897.75	See 1	
8435	H 2824	SD (16°) 4773	18 8 27	−16 51	63.3	18±	9 ...10	1830+	H	Both rather brighter (1876)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8436	A 84	SD (2°) 4579	18^h 8^m32^s	− 2°33′	316°3	3′72	8.5... 9.5	1900.36	A 4	(*A. N.* 3668)
8437	A. G. 217	DM (53°) 2043	8 32	53 28	242.1	15.82	9.2... 9.5	1900.54	Es 2	
8438	β 1091	L 33592	8 35	38 34	38.1	0.53	8.6... 8.6	1888.78	β 2	
8439	Ho 268	DM (20°) 3705	8 50	20 14	*s*	1±	7 ...11	1887.63	Ho	
8440	Σ 2298	DM (41°) 3010	8 51	41 21	185.5	2.39	8.5... 9.7	1831.52	Σ 3	8.5 *wh.*
8441	Σ 2308	40 and 41 *Draconis*	9 1	79 59	235.6	20.62	5.4... 6.1	1832.95	Σ 5	*White*
8442	A 38	SD (9°) 4675	9 7	− 9 59	125.7	0.70	9.2... 9.7	1899.76	A 1	
8443	β 284	L 33525	9 13	−19 2	359.8	17.96	7.2...10.9	1891.63	β 2	A and B
					87.0	31.29	...10.8	1891.63	β 2	A and C
					199.7	11.95	...11.0	1891.63	β 2	A and *a*
					66.6	22.09	...10.8	1891.63	β 2	A and *b*
					328.9	5.04	...11.9	1891.63	β 2	B and *c*
8444	H 2828	DM(21°)3355,3356	9 18	21 25	111.1	15±	10 = 10	1830+	H	
8445	H 1316	DM (13°) 3572	9 19	13 24	265.3	8±	10 ...11	1828+	H	
8446	Hu 58	SD (10°) 4639	9 22	−10 7	125.8	0.74	8.9... 9.2	1899.58	Hu 3	(*A. J.* 480)
8447	Σ 2296	SD (3°) 4257	9 24	− 3 24	7.0	3.33	6.7...10.3	1829.53	Σ 3	6.7 *yel'sh*
8448	β 285	O. Arg. S. 17953	9 26	−25 3	315.7	1.75	8.8... 9.7	1880.47	β 1	A and B
					20.7	1.65	9.5...10.5	1880.47	β 1	C and D
					141.0	59.66	....	1880.47	β 1	A and C
					115.6	30.72	...12.0	1893.70	W 1	C and E
8449	β 760	η *Sagittarii*	9 30	−36 48	107.0	3.51	3½...11.4	1889.41	β 4	A and B
					276.2	33.34	...13	1896.48	A 2	A and C
					302.8	93.22	...10.0	1889.41	β 2	A and D
8450	A 576	A. G. Bonn 11806	9 35	43 13	345.9	0.32	9.1... 9.6	1903.50	A 3	(*Bul. L. O.* No. 50)
8451	Hu 318	DM (23°) 3283	9 35	23 33	166.2	0.61	10 0...11.0	1901.69	Hu 3	(*Bul. L. O.* No. 12)
8452	H 2826	....	9 47	−16 53	80±	3±	12 ...12	1830+	H	In a cluster
8453	H 2827	SD (19°) 4926	9 59	−19 55	254.8	15±	9–10 = 9–10	1830+	H	
8454	OΣ 346	L 33631	10 14	19 44	327.7	5.50	7.5... 8.3	1847.90	OΣ 4	
8455	OΣ (App) 167	DM (4°) 3676	10 17	4 31	79.3	53.83	7.4... 8.2	1875.65	Δ 4	
8456	β 246	Cord. G. C. 24920	10 34	−19 43	108.6	0.42	8.0... 8.0	1875.49	Δ 6	
8457	H 2829	SD (16°) 4795	10 37	−16 41	300±	2½	8.9...12	1830+	H	A and B
					150±	3½	...11	1830+	H	A and C
8458	β 463	SD (16°) 4797	10 44	−16 54	104.2	2.18	10.0...11.0	1888.71	Com 4	
8459	β 299	L 33598	10 48	−18 51	66.0	29.42	6.9...13.5	1891.65	β 2	A and *f*
					327.9	22.04	...13.5	1891.65	β 1	A and *h*
					22.1	22.20	...12.9	1892.65	β 1	A and *e*
					131.9	10.44	...13.5	1891.64	β 2	B and *c*
					305.3	7.11	...12.9	1891.65	β 2	*e* and *d*
					317.4	8.39	13.0...13.5	1891.65	β 1	*g* and *h*
					12.1	54.30	7 ...10	1823.53	Sh 2	A and B
8460	Σ 2301	W^2 XVIII^h. 269	10 48	23 57	122.6	22.69	8.5... 9.0	1830.26	Σ 2	*Yel'sh: blue*
8461	H 857	W^1 XVIII^h. 192	10 53	− 7 20	20±	15±	8 ...14	1820+	H	
8462	Howe 42	L 33604	10 55	−18 45	194.8	20.24	8.5...10.0	1879.46	Cin 1	
8463	H.C.Wilson16	....	11 ±	−17 0:	261.2	9.10	8.8... 9.0	1883.50	W 1	
8464	Ho 269	....	11 11	20 12	159.3	6.48	9.5...10.2	1895.42	Ho 4	
8465	Hu 59	SD (13°) 4916	11 18	−13 12	339.0	0.66	8.6... 8.9	1899.58	Hu 3	(*A. J.* 480)
8466	Hu 319	DM (22°) 3325	11 26	22 47	71.7	0.34	9.2... 9.6	1901.69	Hu 3	(*Bul. L. O.* No. 12)
8467	β 639	L 33642	11 40	−18 40	155.3	0.57	7.2... 7.7	1878.66	β 2	A and B
					325.5	8.30	...13.5	1891.65	β 2	C and D CD = β 300
					52.6	16.42	7 ... 8	1823.45	Sh 1	AB and C
8468	OΣ 349	Rad^1. 3903	11 53	83 54	95.3	0.62	7.5... 8.0	1846.72	OΣ 3	
8469	Σ 2307	DM (69°) 970	12 8	69 13	205.2	4.25	8.5... 8.5	1832.80	Σ 4	*Very wh.*
8470	A 240	A. G. Camb. 8785	12 8	26 44	359.8	2.29	8.5...13.2	1901.50	A 3	
8471	H 1317	....	12 10	27 20	131.6	12±	10 ...11	1828+	H	
8472	H 2830	....	12 11	5 56	88.0	10±	11 ...12	1830+	H	
8473	Hu 60	SD (11°) 4590	18 12 12	−11 3	239.6	0.99	8.7...12.2	1899.64	Hu 3	(*A. J.* 480)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8474	A 241	DM (26°) 3211	$18^h\ 12^m\ 21^s$	26°38′	287°.9	0″.45	9.3... 9.6	1901.50	A 3	(*Bul. L. O.* No. 16) (*A. N.* 3784)
8475	See —	O. Arg. S. 18039	12 27	−19 47	226.4	0.98	7.0... 7.3	1897.72	See 1	See (3496)
8476	β 1274	B. A. C. 6216	12 35	56 33	239.1	95.61	6.4...	1892.35	β 2	A and B
					147.1	0.88	9.8...10.6	1892.37	β 3	B and C
					8.5	5.03	...10.4	1892.37	β 3	B and D
8477	H 2831	DM (23°) 3295	12 42	23 52	352.5	10±	10 ...11	1830+	H	
8478	Hu 61	SD (14°) 4997	12 45	−14 50	116.7	2.38	9.0...10.0	1899.62	Hu 4	(*A. J.* 480)
8479	Σ 2304	DM (40°) 3331	13 13	40 13	68.5	4.93	8.1... 9.4	1830.85	Σ 4	8.1 *yel'sh*
8480	See 350	*δ Sagittarii*	13 19	−29 53	276.4	25.78	3 ...14.5	1896.72	See 1	A and B
					165.1	40.14	...15	1896.72	See 1	A and C
					221.3	58.13	...13	1896.72	See 1	A and D
8481	H 5494	B. A. C. 6213	13 20	7 12	65±	45±	5 ...15	1827.6	H	
8482	Σ 2305	DM (51°) 2342	13 24	51 17	333.6	4.73	8.2... 9.8	1831.65	Σ 3	8.2 *wh.*
8483	Schj. 16	SD (5°) 4626	13 24	− 5 1	192.8	2.28	7.9... 9.2	1874.47	Δ 3	
8484	A. G. 218	A. G. Alb. 6188	13 27	3 17	279.7	2.60	9.0... 9.3	1903.31	M 3	
8485	Σ 2303	*Scutum Sob.* 15	13 34	− 8 2	216.4	3.22	6.7... 9.2	1831.20	Σ 5	6.7 *yel'sh*
8486	A. G. 219	A. G. Alb. 6189	13 38	2 4	35.9	7.31	9.1...10.2	1902.97	M 3	
8487	A 577	A. G. Bonn 11856	13 45	43 53	283.2	0.71	8.3...11.3	1903.57	A 3	(*Bul. L. O.* No. 50)
8488	β 48	L 33729	13 55	−19 43	360.0	2.33	8.0...10.0	1874.86	Δ 3	
8489	Hu 197	DM (10°) 3473	14 1	10 14	28.0	0.36	8.2... 9.3	1900.58	Hu 3	
8490	Perrine	DM (13°) 3607	14 14	14 0	3.8	3.39	8.8...10.2	1900.24	P 2	
8491	A 578	A. G. Bonn 11859	14 14	43 48	28.4	0.22	8.6... 9.1	1903.60	A 4	A and B (*Bul. L. O.* No. 50)
					176.0	1.72	...13.4	1903.60	A 4	AB and C
8492	A. G. 220	DM (50°) 2557	14 21	51 0	309.1	11.26	9.1... 9.2	1900.52	Es 2	
8493	H 1318	....	14 23	28 5	141.9	3±	11 ...11	1828+	H	
8494	A 242	A. G. Camb. 8812	14 30	29 32	294.5	1.07	9.0...12.0	1901.72	A 3	
8495	A 579	A. G. Bonn 11861	14 31	43 31	341.9	1.49	8.7...12.7	1903.54	A 3	(*Bul. L. O.* No. 50)
8496	H 5495	74 *Ophiuchi*	14 53	3 19	290±	18±	5 ...15	1827.5	H	
8497	A. G. 221	DM (21°) 3386	14 56	21 17	14.4	1.42	9.0... 9.4	1901.71	Hu 3	
8498	Σ 8, App. II	*η Serpentis*	15 6	− 2 56	77.2	112.70	3.3...12.0	1836.46	Σ 3	3.3 *yel.*
8499	Hu 62	SD (11°) 4605	15 6	−11 42	212.6	0.40	9.0... 9.4	1899.56	Hu 3	(*A. J.* 480)
8500	H 1319	DM (32°) 3099	15 13	32 9	192.8	13±	9 ...11	1828+	H	
8501	Σ 2309	DM (25°) 3493	15 14	25 29	354.7	3.52	8.5... 9.0	1830.75	Σ 3	*White*
8502	Δ 18	L 33796	15 22	−15 9	219.5	12.81	7.2... 7.9	1831.91	Σ 4	A and BC AB= Σ 2306
					64.3	0.82	8.2... 8.5	1865.18	Δ 6	B and C *Yel.: very blue*
8503	Espin —	DM (64°) 1256	15 35	64 1	332.7	8.6	8.2...12.0	1903	Es	(*M. N.* LXIV, 238)
8504	Σ 2310	DM (22°) 3337	15 37	22 45	233.8	4.97	7.0...10.3	1830.78	Σ 3	7.0 *very wh.* (See p. 1080)
8505	β 1252	L 33818	15 55	−11 55	182.4	1.21	8.0... 9.0	1876.70	Δ 2	
8506	O. Stone 42	....	16 :	−18 55:	84.6	6.72	8.5... 9.0	1879.30	Cin 1	
8507	β 640	*Herculis* 443	16 3	27 28	346.2	2.37	7.5...12.2	1878.91	β 2	
8508	Ho 566	O. Arg. S. 14305	16 6	−26 14	155.8	0.3±	8 ... 8	1896.52	Ho 1	
8509	Hu 237	SD (17°) 5172	16 10	−17 7	23.5	0.43	8.5... 9.5	1900.62	Hu 2	(*A. J.* 494)
8510	Σ 2312	DM (28°) 2982	16 26	28 17	336.8	1.49	8.5... 9.5	1831.00	Σ 4	
8511	Ho 430	DM (20°) 3750	16 28	20 27	191.8	2.17	8.5... 9.0	1890.61	Ho 2	
8512	Σ 2311	W^1 XVIII^h. 337	16 38	11 23	170.7	8.65	8.9... 9.9	1830.30	Σ 4	
8513	A 243	A. G. Camb. 8839	16 40	26 0	66.6	1.56	9.0...12.3	1901.70	A 3	
8514	β 641	L 33897	16 42	21 27	349.2	1.00	7.1... 9.0	1880.12	β 5	
8515	Hu 238	DM (9°) 3680	16 43	9 54	163.6	0.96	8.6... 9.2	1900.58	Hu 3	(*A. J.* 494)
8516	A. G. 222	DM (14°) 3502	16 44	14 10	148.8	1.88	8.6... 8.8	1900.24	P 2	
8517	Σ 2326	DM (81°) 619, 618	16 59	81 27	201.7	15.60	7.7... 8.7	1832.30	Σ 3	*Wh.: ash*
8518	Lewis 20	....	17 :	20 29:	338.5	2.30	7.5... 9.0	1902.66	L 1	
8519	Lewis 21	....	17 :	30 34:	110.8	6.51	10 ...11	1900.70	L 1	(*M. N.* LXI, 486)
8520	β 49	O. Arg. S. 18155	17 3	−19 38	49.1	7.82	8.0...11.3	1875.19	Δ 3	
8521	H 1320	DM (30°) 3185	17 20	30 57	149.2	15±	9–10 = 9–10	1828+	H	
8522	H 1321	DM (39°) 3395	17 22	39 16	95.8	8±	10 ...11	1828+	H	
8523	Hu 63	SD (12°) 5034	18 17 28	−12 16	316.1	2.98	8.5...12.5	1899.56	Hu 3	(*A. J.* 480)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8524	**Hu 581**	DM (14°) 3507	18^h 17^m 29^s	14°55′	119°9	0″31	8.4... 9.0	1902.64	Hu 3	(*Bul. L. O.* No. 27)
8525	**H 1322**	....	17 54	27 43	246.1	15±	9 ...11	1828+	H	
8526	See 352	Cord. 18^h. 1117	17 55	−30 17	72.3	2.96	7.5...13.9	1897.70	See 1	
8527	**H 858**	DM (1°) 3663	17 58	1 27	230±	8±	10 ...11	1820+	H	
8528	Cordoba	Cord. 18^h. 1122	18 6	−27 28	359.6	5.67	8.0... 8.1	1897.67	See 1	
8529	A. Clark 10	21 *Sagittarii*	18 12	−20 36	293.4	2.45	5 ... 8.5	1853.70	Da 2	*Yellow: blue*
8530	Σ 2313	SD (6°) 4755	18 16	− 6 40	199.0	6.13	7.2... 8.5	1832.23	Σ 3	*Yel'sh wh.: ash*
8531	Σ 2314	DM (23°) 3325	18 26	23 23	328.5	2.43	8.4... 9.6	1830.99	Σ 4	8.4 *yel'sh*
8532	**Hu 64**	SD (16°) 4864	18 26	−16 34	12.1	4.04	9.0...10.0	1899.65	Hu 1	(*A. J.* 480)
8533	**Hn 144**	Yar. 7794	18 29	−21 6	39.2	3.07	9.0... 9.0	1888.71	Com 4	
8534	**Ho 83**	W^2 XVIII^h. 502	18 34	27 28	262.3	0.4±	8.7... 8.7	1884.79	Ho 1	
8535	A. Clark 11	L 33959	18 44	− 1 39	178.1	0.4±	7.0... 7.2	1854.70	Da 2	
8536	**Hu 582**	DM (48°) 2683	18 58	48 18	195.2	2.19	7.8...12.0	1902.67	Hu 2	(*Bul. L. O.* No. 27)
8537	OΣ 347	L 33976	19 1	7 10	339.8	3.35	7.2...11.0	1849.70	OΣ 2	
8538	β 1325	DM (20°) 3770	19 23	20 24	346.1	6.25	8.4...13.2	1903.48	β 3	
8539	**H 1323**	....	19 27	12 49	284.1	10±	10 ...11	1828+	H	
8540	**A 244**	A. G. Camb. 8871	19 27	28 14	269.8	0.44	9.3... 9.7	1901.75	A 3	
8541	**Ho 431**	L 34064	19 41	38 17	358.9	21.23	7.0...12.5	1892.14	Ho 2	
8542	**Ho 432**	DM (38°) 3160	19 56	38 41	289.4	17.16	6.5...13	1892.14	Ho 2	
8543	β 1203	*Serpentis* 191	19 57	0 43	67.8	0.30	7.5... 7.7	1890.67	β 3	
8544	β 965	SD (17°) 5196	20 2	−17 15	105.6	1.57	8.1...11.8	1880.60	β 3	
8545	**Ho 84**	....	20 3	27 20	312.9	2.02	9 ...11	1885.70	Ho 1	
8546	**A 85**	SD (2°) 4623	20 7	− 2 58	189.6	4.32	8.9...12.0	1900.48	A 3	(*A. N.* 3668)
8547	**Hu 239**	SD (21°) 5005	20 8	−21 59	184.3	3.13	9.0... 9.2	1900.56	Hu 3	(*A. J.* 494)
8548	Σ 2315	*Herculis* 452	20 12	27 20	281.1	0.59	7.0... 8.0	1830.74	Σ 4	*White*
8549	β 133	B. A. C. 6261	20 15	−26 42	265.3	1.80	7.5... 7.5	1875.66	Sp 4	
8550	Σ 2317 *rej.*	DM (26°) 3247	20 30	26 1	225.2	24.97	8.1...	1904.33	β 3	A and B
					322.1	0.98	10.8...11.0	1904.34	β 2	B and C
					190.2	44.66	... 9.7	1904.33	β 3	A and D
8551	Σ 2318	DM (25°) 3520	20 37	25 56	257.2	20.51	8.0...10.2	1829.74	Σ 2	8.0 *yel'sh*
8552	**Ho 85**	W^2 XVIII^h. 561	20 37	28 1	196.2	4.70	8.0...12.0	1885.07	Ho 2	
8553	**H 5496**	L 34034	20 40	− 8 7	....	....	6 ...	1823+	H	
8554	**A 580**	A. G. Leip. 8498	20 41	7 37	322.7	4.05	8.7...10.8	1903.38	A 3	(*Bul. L. O.* No. 50)
8555	**Lewis 22**	....	21 :	26 2:	309.6	5.56	10 ... 10	1900.70	L 1	(*M. N.* LXI, 486)
8556	**Lewis 23**	....	21 :	25 58:	138.8	1.50	9.5...10.0	1901.48	L 1	
8557	Schj. 17	W^1 XVIII^h. 449	20 43	6 27	351.0	50.44	8.6... 9.3	1904.28	β 2	
8558	**Hu 240**	SD (21°) 5010	20 48	−21 40	34.9	4.83	8.5...10.7	1900.56	Hu 3	(*A. J.* 494)
8559	**A 86**	SD (6°) 4765	20 57	− 6 21	286.2	2.61	9.2...10.3	1900.49	A 3	(*A. N.* 3668)
8560	Espin —	DM (51°) 2372	20 57	51 36	198.7	2.75	8.6... 8.7	1903.69	Es 2	
8561	OΣ 350	W^1 XVIII^h. 456	21 2	6 21	168.9	1.72	7.4... 9.0	1852.68	OΣ 4	7.4 *bluish*
8562	Σ 2316	59 *Serpentis*	21 4	0 7	314.1	3.95	5.5... 7.8	1828.62	Σ 6	*Yel.: blue*
8563	**H 2832**	O. Arg. S. 18250	21 9	−21 19	15.0	18±	9–10...11	1830+	H	
8564	Wash.Zones	B. A. C. 6270	21 29	−26 39	182.7	41.79	6.7... 7.7	1890.50	Gla 2	
8565	**H N. 125**	L 34048	21 33	−25 7	....	Cl. I	....	1801.67	H	
8566	**Hu 241**	SD (21°) 5019	21 40	−21 27	35.7	4.26	8.8...10.5	1900.56	Hu 3	(*A. J.* 494)
8567	β 264	DM (27°) 3023	21 43	27 16	360±	8±	8.5...12	1874.72	β	
8568	β 464	W^1 XVIII^h. 476	21 45	6 29	111.3	1.20	8.5... 9.5	1877.17	Δ 2	
8569	β 1326	DM (26°) 3259	21 51	26 23	104.8	5.06	7.2...13.4	1904.31	β 3	A and B
					61.0	61.59	... 9.2	1904.31	β 3	A and C
8570	**H 1324**	....	21 51	28 37	10.8	3±	11 ...12	1828+	H	
8571	β 134	O. Arg. N. 18233	21 59	46 49	133.7	1.07	7.9... 9.8	1875.18	Δ 4	
8572	**Lewis 24**	....	22 :	25 58:	263.7	2.94	9.5...10.0	1901.54	L 1	(*M. N.* LXII, 395)
8573	**H 5497**	....	22 :	−10 18:	225±	20±	....	1823+	H	
8574	Σ 2323	39 *Draconis*	22 10	58 44	5.9	3.14	4.7... 7.7	1833.20	Σ 7	A and B 4.7 *yel'sh wh.:* 7.7 *bluish wh.:* 7.1 *ash*
					21.7	88.99	... 7.1	1834.27	Σ 6	A and C
8575	**Hu 66**	Rad^1. 3923	18 22 11	48 42	309.6	0.34	....	1898.82	Hu 5	A and B (AC = OΣ 351)
					25.0	0.49	7.3... 8.0	1846.40	OΣ 3	AB and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8576	**H 1325**	....	18^h 22^m 16^s	29°45′	279°.0	1¾″	11 ...12	1828+	H	
8577	**Hu 67**	SD (15°) 4982	22 26	−15 8	323.5	1.73	8.8...12.0	1899.65	Hu 1	(*A. J.* 480)
8578	**OΣ 353**	*φ Draconis*	22 29	71 16	63.6	0.56	4.8... 6.5	1856.13	OΣ 6	4.8 *yel'sh*
8579	**Σ 2319**	W^2 XVIII^h. 607	22 30	19 13	191.0	5.61	7.2... 7.6	1830.40	Σ 4	A and B AB *wh.*
					279.0	38.42	...10.0	1829.38	Σ 3	A and C
8580	**Hu 242**	SD (21°) 5024	22 33	−21 48	275.0	0.82	10.0...10.7	1900.56	Hu 3	(*A. J.* 494)
8581	**Ho 433**	W^2 XVIII^h. 616	22 37	28 51	327.4	9.06	8.2...12.5	1890.58	Ho 1	
8582	**OΣ (App) 168**	*Schj.* 6765	22 38	4 46	164.8	48.13	7.4... 8.4	1875.37	Δ 4	
8583	**A. G. 223**	DM (24°) 3423	22 38	24 18	....	....	9.2...	....	....	
8584	**Σ 2320**	*Herculis* 457	22 50	24 37	11.4	1.79	7.1... 9.0	1831.51	Σ 4	*Very wh.: ash*
8585	**H 859**	SD (2°) 4638	22 59	− 2 52	220±	11±	10 ...12	1820+	H	
8586	**Hu 65**	DM (84°) 409	23 :	84 34	268.0	1.49	9.2...10.0	1898.59	Hu 3	
8587	**A 581**	A. G. Alb. 6247	23 5	4 4	80.0	0.31	8.4... 8.8	1903.41	A 4	A and B (*Bul. L. O.* No. 50)
					234.8	8.48	...15.2	1903.43	A 2	AB and C
8588	**OΣ 352** *rej.*	Rad^r. 3929	23 6	46 44	222.4	24.23	7.1... 8.3	1866.56	Δ 3	
8589	**Hu 68**	SD (12°) 5071	23 11	−12 20	120.5	3.06	8.9...11.0	1899.56	Hu 3	(*A. J.* 480)
8590	**Howe 43**	B. A. C. 6285	23 12	−33 4	204.8	2.41	6.0...12.0	1877.53	Cin 1	(= β 1128)
8591	**Hu 320**	DM (16°) 3515	23 17	16 9	143.7	2.04	9.2... 9.6	1901.60	Hu 3	(*Bul. L. O.* No. 12)
8592	**Hu 69**	SD (13°) 5003	23 17	−13 2	245.9	0.32	8.0... 8.0	1899.63	Hu 3	(*A. J.* 480)
8593	**A 582**	A. G. Leip. 8564	23 40	7 17	47.9	2.96	7.8...13.5	1903.38	A 3	(*Bul. L. O.* No. 50)
8594	**Σ 2321**	W^1 XVIII^h. 528	23 52	1 6	190.6	6.68	7.9... 9.5	1830.06	Σ 4	*Wh.*
8595	**Σ 2322**	*Tauri Pon.* 47	24 8	3 59	170.5	19.57	5.7...11.0	1828.65	Σ 2	5.7 *yel'sh wh.*
8596	**Hd Zones**	W^1 XVIII^h. 542	24 21	0 38	215.6	5.66	9.0...11.0	1879.38	Cin 2	
8597	**See 354**	L 34188	24 24	−18 29	182.9	25.54	5.8...14.7	1897.73	See 1	
8598	**Σ 2327**	DM (29°) 3270	24 33	29 51	314.9	19.27	7.3...11.0	1830.76	Σ 3	7.3 *yel.*
8599	**Ho 434**	L 34264	24 33	29 32	186.3	11.49	7.3...12.2	1891.58	Ho 3	
8600	**A 583**	A. G. Alb. 6252	24 36	4 12	298.3	0.31	8.6... 9.1	1903.40	A 3	(*Bul. L. O.* No. 50)
8601	**Σ 2332** *rej.*	....	24 42	64 50	262.8	11.18	9.2...11.2	1901.44	β 3	
8602	**H 1326**	....	24 43	32 14	20.6	8±	10 ...10–11	1828+	H	
8603	**A 245**	A. G. Camb. 8966	24 45	26 44	357.5	3.25	8.7...13.1	1901.70	A 2	
8604	**OΣ (App) 170**	L 34232	24 45	4 26	5.7	101.69	6.5... 7.7	1875.64	Δ 4	
8605	**Σ 2325**	*Scutum Sob.* 29	24 46	−10 53	257.9	12.35	6.0... 9.3	1829.58	Σ 3	6.0 *wh.*
8606	**Hu 243**	SD (17°) 5225	24 47	−17 2	354.5	1.34	9.4... 9.8	1900.65	Hu 2	(*A. J.* 494)
8607	**Σ 2328**	DM (29°) 3271	24 51	29 51	73.0	3.45	8.0... 8.3	1830.39	Σ 3	*White*
8608	**Σ 2334** *rej.*	DM (62°) 1623	24 51	62 50	213.5	13±	10 ...11	1830+	H	
8609	**Σ 2324**	L 34233	24 53	1 19	146.0	2.43	8.2... 8.5	1829.64	Σ 4	*Yel'sh wh.*
8610	**Hu 583**	DM (13°) 3662	24 56	13 43	306.1	0.83	9.0... 9.5	1902.65	Hu 3	(*Bul. L. O.* No. 27)
8611	**H 860**	DM (9°) 3746	25 13	9 20	278±	15±	10 ...12	1820+	H	
8612	**A 87**	SD (3°) 9296	25 14	− 3 58	293.3	1.47	9.0...11.7	1900.44	A 3	A and B (*A. N.* 3668)
					315.1	4.27	... 9.1	1900.44	A 3	A and C
					357.7	4.06	...13.3	1900.44	A 3	C and D
8613	**Ho 435**	SD (14°) 5096	25 21	−14 5	41.7	0.89	9.5... 9.5	1893.65	Ho 3	
8614	**β 966**	B. A. C. 6301	25 25	−19 3	120.2	0.62	9.0... 9.5	1880.61	β 3	B and C
					252.8	66.34	6.7...	1880.58	β 3	A and BC
8615	**Σ 2329**	DM (6°) 3824	25 35	6 23	43.3	4.18	7.7... 9.0	1830.57	Σ 3	*White*
8616	**A 246**	A. G. Camb. 8984	25 35	25 14	160.9	1.19	9.0...11.5	1901.70	A 3	
8617	**β 247**	L 34253	25 36	− 9 27	167.4	7.62	7.8...11.2	1875.43	Δ 3	
8618	**Σ 2330**	DM (13°) 3667	25 41	13 6	176.9	20.31	7.3... 9.0	1829.28	Σ 3	7.3 *wh.*
8619	**β 419**	L 34259	25 42	− 7 55	57.6	1.22	8.5... 9.2	1877.03	Δ 3	
8620	**β 420**	W^1 XVIII^h. 722	25 53	37 5	277.0	1.45	9.7...11.0	1873.13	Δ 4	A and B
					198.1	21.58	...11.0	1880.42	β 1	A and C
8621	**Hu 244**	DM (11°) 3494	25 59	11 57	255.6	1.09	8.9...12.2	1900.47	Hu 4	(*A. J.* 494)
8622	**OΣ 354**	L 34301	26 12	6 42	154.5	0.79	7.2... 8.0	1846.75	OΣ 3	
8623	**A 248**	A. G. Camb. 8991	26 18	25 11	35.9	0.44	9.7... 9.8	1901.70	A 3	
8624	**A 247**	DM (31°) 3282	18 26 21	31 10	55.6	2.68	8.5...13.3	1901.74	A 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8625	Σ 2335	DM (34°) 3222	18^h 26^m 27^s	34° 11′	321°.1	12″.07	8.5...11.5	1833.40	Σ 2	A and B }
					151.0	23.50	...10.3	1833.40	Σ 3	A and C }
8626	H 5498	....	26 29	− 8 50	100±	6±	13 ...14	1827.6	H	"A third star 15m."
8627	A 584	A. G. Bonn 12039	26 35	43 15	10.7	4.29	8.5...14.2	1903.57	A 2	(*Bul. L. O.* No. 50)
8628	Σ 2333	W^2 XVIII^h. 741	26 38	32 10	335.3	6.28	7.5... 8.1	1831.22	Σ 4	*Wh.: ashy wh.*
8629	Hu 321	DM (23°) 3357	26 42	23 5	340.1	4.41	9.3...11.1	1901.66	Hu 3	(*Bul. L. O.* No. 12)
8630	β 642	SD (10°) 4718	26 45	−10 32	91.5	4.11	9.0...11.0	1878.50	β 1	
8631	Σ 2338	DM (38°) 3200	26 50	38 35	300.5	13.35	8.5... 9.7	1829.26	Σ 2	8.5 *yel'sh*
8632	H 1328	DM (41°) 3076	27 6	41 48	109.0	12±	9–10..10–11	1828+	H	
8633	Hu 245	DM (11°) 3504	27 12	11 42	52.4	2.06	8.2... 9.2	1899.07	Hu 3	(*A. J.* 494)
8634	Σ 2336	W^1 XVIII^h. 626	27 20	13 44	7.5	6.31	8.7... 9.8	1830.26	Σ 3	8.7 *yel'sh*
8635	H 861	DM (3°) 3741	27 21	3 36	180±	7–8	10 ...11	1820+	H	
8636	OΣ 355 *rej.*	L 34350	27 38	8 11	248.5	38.97	6.2... 9.5	1866.51	Δ 3	6.2 *wh.*
8637	Schj. 18	DM (7°) 3741	27 49	7 21	197.6	45.83	8.9... 9.0	1901.51	β 2	
8638	Hu 246	SD (21°) 5056	27 59	−21 46	69.4	2.72	9.2...10.2	1900.68	Hu 3	(*A. J.* 494)
8639	Σ 2337	W^1 XVIII^h. 629	28 5	−14 48	297.4	16.40	7.8... 8.8	1829.60	Σ 3	*Wh.: bluish*
8640	β 1253	*Lyrae* 28	28 15	30 28	156.3	7.44	6.2...13.5	1891.38	β 3	
8641	H 5051	Cord. DM (28°) 14742	28 16	−28 55	230.6	5±	9½...10	1834.6	H	
8642	Hu 322	DM (17°) 3627	28 27	17 38	86.3	0.19	8.0... 8.2	1901.61	Hu 3	A and B } *Wh.: blue*
					271.5	2.33	7.2... 8.0	1830.03	Σ 3	AB and C } AC = Σ 2339
8643	Σ 2340	DM (31°) 3287	28 30	31 30	104.6	21.51	8.3... 9.2	1830.43	Σ 3	
8644	H 1329	W^1 XVIII^h. 655	28 32	11 17	328.0	8±	9–10...17	1828+	H	"Very delicate"
8645	H 863	....	28 35	− 3 24	255±	3±	12 = 12	1820+	H	"Between two stars 10 and 11 m."
8646	OΣ (App) 171	P XVIII^h. 126	28 50	38 45	319.1	141.58	6.6... 7.4	1875.44	Δ 4	
8647	See 355	SD (19°) 5097	28 52	−19 19	238.9	12.95	6 ...13.9	1897.73	See 2	
8648	Ho 86	DM (35°) 3288	29 14	35 5	181.7	0.37	8.0... 8.3	1886.74	Ho 2	
8649	Σ 2343	DM (64°) 1270	29 16	65 1	215.5	8.60	8.8...10.2	1832.49	Σ 3	
8650	OΣ 356 *rej.*	L 34475	29 20	40 4	306.5	38.33	7.0....8.7	1866.67	Δ 3	A and B }
					47.2	....	... 9.5	1866.67	Δ 3	A and C }
					2.5	....	....	1866.67	Δ 3	B and C }
8651	Σ 2341	W^1 XVIII^h. 674	29 21	11 21	266.5	15.42	8.5... 9.7	1828.62	Σ 2	
8652	Espin 21	DM (41°) 3084	29 30	41 54	103.0	6.57	10 ...10	1892.61	Es 2	(*A. N.* 3717)
8653	Ho 567	L 34399	29 32	−20 25	160.1	1.19	7.2...10.5	1895.59	Ho 2	
8654	β 643	L 34438	29 41	4 50	338.2	8.86	...12.5	1878.23	β 3	A and B } 5.7 *wh.*
					11.9	26.91	5.7... 8.5	1830.71	Σ 4	A and C } AC = Σ 2342
8655	Barnard 10	L 34422	29 47	−12 5	130.3	0.24	9.0... 9.5	1895.64	Bar 3	
8656	O. Stone 43	DM (2°) 3622	29 56	2 28	28.3	9.57	8.5...10.4	1879.42	Cin 3	
8657	A 354	A. G. Albany 6284	30 8	5 1	8.2	4.33	8.9...12.2	1902.70	A 3	(*Bul. L. O.* No. 29)
8658	Σ 2344	DM (28°) 3027	30 19	28 38	179.0	1.38	8.5...12.0	1829.72	Σ 1	
8659	OΣ 357	DM (11°) 3518	30 21	11 38	275.5	0.48	7.5... 7.6	1845.15	OΣ 2	
8660	Σ 2345	W^2 XVIII^h. 866	30 23	20 59	185.1	7.38	8.4...10.1	1832.25	Σ 4	8.4 *wh.*
8661	A 355	A. G. Leip. II 8657	30 25	5 10	143.8	1.18	9.0...11.5	1902.70	A 2	(*Bul. L. O.* No. 29)
8662	OΣ 359	P XVIII^h. 132	30 31	23 31	354.1	0.66	6.6... 6.9	1849.54	OΣ 6	
8663	OΣ 358	W^2 XVIII^h. 869	30 32	16 53	227.0	1.23	6.8... 7.2	1845.41	OΣ 3	*Yel'sh*
8664	H 864	L 34468	30 34	4 52	315±	10±	7 ...16	1820+	H	(= β 644)
8665	Ho 436	Lac. 7804	30 51	−25 31	177.1	4.15	8 ...11	1889.72	Ho 1	
8666	H 1330	....	31 6	30 30	262.1	5±	11–12..11–12	1828+	H	
8667	A 249	A. G. Berlin 6561	31 8	24 46	274.9	0.87	9.3... 9.5	1901.52	A 2	
8668	Hu 70	SD (11°) 4692	31 9	−11 27	216.4	0.87	8.6... 9.1	1899.63	Hu 3	(*A. J.* 480)
8669	Σ 2348	*Draconis* 190	31 12	52 15	272.7	25.69	5.9... 8.1	1832.02	Σ 8	*Very yel.: very blue*
8670	β 135	L 34476	31 16	−14 6	184.0	2.45	6.7...11.5	1875.08	Δ 4	
8671	Hu 247	DM (10°) 3588	31 20	10 10	45.8	0.46	9.0... 9.3	1900.42	Hu 3	(*A. J.* 494)
8672	β 1327	DM (2°) 3628	31 24	2 32	178.9	13.20	8.2...16	1903.44	β 2	β^6
8673	Σ 2346	W^1 XVIII^h. 727	31 27	7 26	282.9	15.41	7.5... 9.0	1829.64	Σ 4	7.5 *wh.*
8674	H 2834	W^2 XVIII^h. 902	31 33	22 0	248.4	12±	9 ...14–15	1830+	H	
8675	Σ 2353 *rej.*	DM (58°) 1823	18 31 36	58 41	258.7	13.2	8.5...12	1832.8	Σ	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8676	Hu 323	DM (21°) 3495	$18^h 31^m 44^s$	21°14′	152°.8	0″.22	8.9...10.2	1901.75	Hu 3	(*Bul. L. O.* No. 12)
8677	Σ 2347	*Serpentis* 196	31 47	− 0 29	259.3	3.17	7.5... 9.4	1829.83	Σ 5	*7.5 yel'sh*
8678	Σ 2357	DM (63°) 1434	32 6	63 37	270.9	4.51	8.3... 9.0	1832.28	Σ 3	*White*
8679	A 88	L 34524	32 6	− 3 18	353.2	0.14	6.9... 7.1	1900.46	A 3	
8680	H 5499	SD (4°) 4525	32 10	− 4 25	155±	15±	9 ...12.5	1827.6	H	
8681	Σ 2349	*Lyrae* 38	32 13	33 22	205.5	7.33	5.5...10.7	1830.16	Σ 3	*5.5 bluish wh.*
8682	A 356	A. G. Leip. 8694	32 13	7 54	223.7	0.78	8.8...10.8	1902.76	A 3	(*Bul. L. O.* No. 29)
8683	H 2833	SD (21°) 5088	32 14	−21 7	321.9	18±	9–10...10	1830+	H	
8684	Σ 2351	DM (41°) 3100	32 22	41 11	339.8	5.23	7.4... 7.4	1830.98	Σ 4	*White*
8685	Arg. 32	O. Arg. S. 18506	32 28	−25 37	212.8	7.47	6 ... 8.2	1862.8	....	A and B
					285.2	68.66	... 7.8	1862.8	....	A and C
					218.5	79.02	...(14)	1862.8	....	A and D
8686	H 5500	*Schj.* 6861	32 35	2 30	45±	30?	8 ...12	1823.6	H	
8687	Hu 198	DM (8°) 3780	32 37	8 44	195.2	0.22	8.5... 8.6	1900.47	Hu 3	(*A. J.* 485)
8688	Ħ IV. 59	DM (38°) 3235	32 38	38 35	303.9	22.33	....	1783.81	Ħ 1	
8689	Σ 2352	DM (34°) 3257	32 39	34 46	283.6	15.22	7.3...10.3	1830.78	Σ 3	*7.3 yel.*
8690	OΣ 360	L 34556	32 44	4 45	292.6	1.11	6.5...10.0	1849.67	OΣ 3	*6.5 golden*
8691	Hu 675	DM (14°) 3601	32 47	14 21	71.1	0.20	9.5... 9.5	1902.58	Hu 3	
8692	Σ 9 App. II	*α Lyrae*	32 52	38 40	137.8	42.96	1.0...10.5	1836.14	Σ 5	A and B *1.0 bluish wh.*
					298.8	46.87	...12	1864.84	Wn 1	A and C
8693	A 250	DM (31°) 3309	32 55	31 6	122.4	1.98	9.0...11.7	1901.74	A 3	
8694	Lewis 25 a	....	33 :	28 41:	253.9	1.18	9.0...10.0	1899.63	Bow 2	
8695	Lewis 25	....	33 :	28 37:	30.1	6.27	9.0... 9.0	1900.70	L 1	(*M. N.* LXI, 486)
8696	H 1331	W^1 XVIII^h. 787	33 7	14 59	210±	30±	6–7...11	1828+	H	"Two more stars *nf*"
8697	Hu 248	DM (9°) 3800	33 9	9 2	113.5	2.03	9.5... 9.6	1900.49	Hu 3	(*A. J.* 494)
8698	Ho 87	W^2 XVIII^h. 960	33 15	16 26	258.7	0.28	8.0... 8.0	1883.69	Ho 2	A and B
					130.6	45.56	...12.7	1893.18	Ho 2	AB and C
8699	Σ 2350 *rej.*	*Scutum Sob.* 46	33 30	− 7 54	194.8	24.54	....	1848.64	Mh 1	
8700	Σ 2366 *rej*	DM (69°) 988	33 33	69 51	333.6	29.33	8.2...10.0	1897.62	Gla 2	From Glasenapp (V)
8701	Σ 2356	DM (28°) 3040	33 40	28 36	47.1	1.03	8.0... 9.0	1831.42	Σ 3	*Yel.: yel'sh*
8702	H 1332	DM (24°) 3480	33 47	24 33	224.0	18±	8 ...11	1828+	H	
8703	H 1333	DM (26°) 3316	33 49	26 59	229.0	2±	10 ...11	1828+	H	
8704	Σ 2359 *rej.*	DM (30°) 3253	33 54	30 39	....	Cl. IV	8 ...10	....	Σ	
8705	Σ 2358	DM (30°) 3254	34 0	30 37	216.5	2.58	8.8... 9.0	1831.40	Σ 3	
8706	Miller	DM (15°) 3530	34 1	15 33	62.3	3.50	9.0... 9.8	1902.37	Hu 2	
8707	Σ 2355 *rej.*	DM (7°) 3798	34 3	7 15	....	Cl. IV	6 ... 9–10	....	Σ	
8708	A. G. 224	A. G. Alb. 6321	34 5	3 15	348.6	21.88	8.2... 9.2	1902.93	Cg 2	
8709	β 967	SD (14°) 5152	34 5	−14 36	195.8	2.44	8.0...11.1	1880.54	β 4	
8710	β 50	DM (39°) 3475	34 9	39 29	6.9	21.96	8.5...13.0	1892.38	β 1	A and B
					167.2	5.85	9.5...11.0	1892.38	β 1	C and D
					330.0	73.06	....	1892.38	β 1	A and C
8711	Σ 2360	DM (20°) 3880	34 11	20 50	5.7	2.53	7.5... 8.7	1831.07	Σ 3	*Wh.: ash*
8712	Σ 2362	P XVIII^h. 151	34 12	35 57	180.2	3.96	7.1... 8.4	1830.95	Σ 4	*Yel'sh wh.: bluish*
8713	Σ 2365 *rej.*	Groom. 2630	34 21	63 36	25.3	19.70	8.3...10.0	1901.43	β 2	
8714	Σ 2361	W^1 XVIII^h. 818	34 34	3 1	211.5	25.09	8.3... 8.8	1829.99	Σ 3	*White*
8715	S 704	L 34633	34 39	9 35	268.9	57.66	9 ...10	1825.04	S 2	
8716	Σ 2370	DM (69°) 993	34 53	69 57	136.4	10.58	9.0... 9.2	1832.28	Σ 3	
8717	β 1328	DM (2°) 3652	34 57	2 55	285.2	1.88	8.6... 9.4	1903.44	β 5	
8718	H 1335	....	35 1	35 12	5.3	10±	10–11..12	1828+	H	
8719	See 356	O. Arg. S. 18552	35 2	−29 35	134.0	3.96	7.8... 8	1897.70	See 1	
8720	A 586	A. G. Bonn 12175	35 3	40 36	203.9	2.06	8.4...10.3	1903.77	A 3	(*Bul. L. O.* No. 50)
8721	Σ 2364	DM (24°) 3491	35 9	24 36	182.2	6.51	8.0...10.2	1831.45	Σ 3	*8.0 yel.*
8722	H 1334	....	35 14	12 7	85.5	10±	10 ...14	1828+	H	
8723	Hu 249	SD (14°) 5157	35 33	−14 44	224.2	3.38	8.8...13.8	1900.68	Hu 3	(*A. J.* 494)
8724	H 865	....	35 40	0 45	125±	12±	11 ...12–13	1820+	H	"Double" in *Hd Zones*
8725	Ħ V. 36	*2 Aquilae*	18 35 42	− 9 10	....	42.73	....	1781.57	Ħ 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8726	Hu 324	DM (21°) 3518	$18^h\ 35^m\ 45^s$	21°35′	113°.2	0″.63	9.1...11.0	1901.75	Hu 3	(*Bul. L. O.* No. 12)
8727	Hu 250	SD (15°) 5068	35 50	−15 54	296.1	2.13	9.0...14.8	1900.68	Hu 3	(*A. J.* 494)
8728	H 1336	W^2 XVIII^h. 1046	35 52	30 11	89.0	8±	10 ...12	1828+	H	A and B
					300±	15±	....	1828+	H	A and C
8729	A. G. 225	DM (40°) 3447	35 52	40 28	353.2	6.52	9.2... 9.4	1900.61	Es 2	
8730	Hn 145	O. Arg. S. 18579	35 53	−15 30	58.9	1.07	10.0...10.3	1888.77	Com 3	
8731	Ho 437	W^2 XVIII^h. 1051	35 58	31 32	115.7	0.35	8.3... 8.5	1892.28	Ho 3	A and B
					273.0	40.37	...11.2	1893.13	Ho 2	AB and C
					337.3	2.34	...11.7	1893.13	Ho 2	C and D
8732	Σ 2368	DM (52°) 2258	36 7	52 14	331.3	1.96	7.2... 7.4	1831.10	Σ 4	*Yel'sh*
8733	Hd Zones	DM (0°) 3996	36 18	0 33	113.2	10.63	9.0...12.0	1879.31	Cin 1	
8734	H 1337	W^2 XVIII^h. 1064	36 22	31 28	174.9	6±	9 ...12	1828+	H	
8735	H 866	....	36 37	4 32	87±	4±	13 ...14	1820+	H	A and B
					305±	5±	...17	1820+	H	A and C
8736	Σ 2367	W^2 XVIII^h. 1074	36 39	30 11	68.3	0.4±	7.0... 7.5	1833.88	Σ 3	A and B AB *yel'sh*:
					193.9	14.13	... 8.4	1832.53	Σ 5	AB and C C *bluish*
8737	A 89	SD (6°) 4852	36 42	− 6 57	140.3	4.96	8.7...13.0	1900.49	A 3	(*A. N.* 3668)
8738	See 357	O. Arg. S. 18594	36 44	−29 33	174.2	2.30	8 ...12.5	1896.77	See 1	A and B
					290.9	13.20	...12.3	1896.77	See 1	A and C
8739	H 2836	Rad^1. 4025	36 57	60 36	328.0	35±	7 ...14	1830+	H	“A third more distant”
8740	β 136	W^1 XVIII^h. 893	37 0	5 37	8.0	4.39	9.2... 9.7	1874.84	Δ 3	
8741	H 1339	O. Arg. N. 18514	37 1	45 59	333.5	20±	8–9...10	1828+	H	*Orange: yellow*
8742	See 358	O. Arg. S. 18606	37 19	−25 55	29.6	1.88	7.3... 8.2	1897.63	See 1	
8743	Σ 2371	DM (27°) 3084	37 26	27 32	55.5	9.55	8.5... 8.5	1829.74	Σ 2	*White*
8744	Hn 146	....	37 27	−17 39	193.8	2.48	10.5...10.8	1888.75	Com 3	
8745	H 2835	SD (16°) 5003	37 28	−16 30	309.0	12±	10 ...11	1830+	H	
8746	Σ 2377 *rej.*	*Draconis* 197	37 33	63 25	....	Cl. IV	7 ...10	....	Σ	
8747	A 357	A. G. Albany 6343	37 39	4 37	74.7	0.56	9.0... 9.1	1902.76	A 3	(*Bul. L. O.* No. 29)
8748	Σ 2372	W^2 XVIII^h. 1117	37 48	34 38	84.2	25.15	6.7... 8.2	1829.08	Σ 3	*Wh.: bluish*
8749	OΣ 361	L 34741	37 49	5 32	172.5	22.67	7.5... 8.2	1848.34	OΣ 3	
8750	O. Stone 44	SD (20°) 5244	37 50	−20 0	105.2	1.82	8.5... 9.0	1877.66	Cin 1	
8751	Σ 2369	DM (2°) 3668	37 54	2 30	98.2	1.54	7.5... 8.0	1830.62	Σ 3	*White*
8752	H 1338	....	37 56	12 2	190.0	5±	10–11..11	1828+	H	“A star 8–9 m. follows”
8753	A 251	A. G. Hels. 9917	38 0	58 8	56.1	3.78	8.0...13.7	1901.81	A 2	A and B
					63.4	14.70	...14.5	1901.81	A 2	A and C
8754	H 1340	DM (32°) 3187	38 0	32 24	90.0	7±	10–11..13	1828+	H	
8755	β 645	*Herculis* 475	38 1	19 21	307.3	9.03	7.0...12.0	1877.74	Δ 1	
8756	A 252	DM (24°) 3505	38 19	24 26	288.3	1.27	9.2...12.6	1901.50	A 3	
8757	H 5501	....	38 25	− 1 8	15±	25±	10 ...11	1827.5	H	
8758	Espin 126	DM (63°) 1446	38 30	63 41	21.9	4.9	11 ...12	1902	Es 3	B and C (*M. N.*
					53.5	73.1	... 8	1902	Es 3	A and B LXIII, 172)
8759	Σ 2384	L 34968	38 33	67 0	307.2	0.82	8.0... 8.5	1832.34	Σ 3	*Yel.*
8760	H 1341	....	38 38	39 31	105±	10±	....	1828+	H	
8761	Σ 2374	DM (27°) 3089	38 41	27 36	36.1	15.47	8.8... 9.2	1830.39	Σ 3	*White*
8762	β 1254	W^1 XVIII^h. 935	38 52	−13 48	78.2	2.67	8.2...11.0	1891.50	β 6	
8763	Hu 754	DM (50°) 2651	38 52	51 1	91.7	1.37	7.5...15.0	1904.40	Hu 1	
8764	Ho 88	....	39 :	− 9 36	208.1	2.03	9 ... 9	1885.57	Ho 1	
8765	Σ 2378	DM (35°) 3342	39 5	35 26	192 5	11.17	8.2... 9.5	1829.27	Σ 2	*White*
8766	See 360	28 *Sagittarii*	39 6	−22 31	209.1	12.52	5.6...14.7	1897.69	See 3	
8767	Σ 2376	DM (30°) 3281	39 6	30 17	63.8	22.30	7.7... 8.4	1830.47	Σ 4	*White*
8768	A 90	SD (3°) 4373	39 9	− 3 21	2.3	2.80	8.0...13.6	1900.50	A 3	(*A. N.* 3668)
8769	Hu 325	DM (20°) 3919	39 10	20 45	12.6	0.32	9.3...10.0	1901.77	Hu 3	(*Bul. L. O.* No. 12)
8770	A 253	DM (31°) 3347	39 12	31 34	129.0	0.78	9.1... 9.6	1901.75	A 3	
8771	Σ 2373	L 34784	39 13	−10 37	339.1	4.19	7.1... 8.1	1832.43	Σ 4	*Wh.: ash*
8772	Hu 251	SD (15°) 5086	39 13	−15 36	309.5	2.38	8.0...12.8	1900.68	Hu 3	(*A. J.* 494)
8773	Hu —	DM (22°) 3470	18 39 15	22 17	243.6	0.30	9.0...10.5	1902.54	Hu 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8774	**Ho 568**	*Schj.* 6935	18^h 39^m 18^s	−10° 7′	173°.1	4′.33	8 ...12	1894.71	Ho 2	(*A. N.* 3557)
8775	**Σ 2380**	*Lyrae* 56	39 24	44 48	10.2	25.83	6.7... 8.2	1831.15	Σ 3	*Yel.: bluish wh.*
8776	**Σ 2375**	L 34820	39 34	5 22	108.1	2.23	6.2... 6.6	1829.10	Σ 5	*White*
8777	**H 2837**	SD (19°) 5161	39 54	−19 19	92.0	5±	10 ...10	1830+	H	
8778	**OΣ (App) 172**	W^2 XVIII^h. 1185	40 8	33 52	6.1	65.46	7.4... 7.9	1875.96	Δ 4	
8779	**Σ 2379**	5 *Aquilae*	40 17	− 1 5	121.5	13.22	5.6... 7.4	1832.45	Σ 4	A and B } *Wh.: bluish*
					145.5	27.53	...11.2	1880.02	β 2	A and C
8780	**H 1342**	....	40 18	43 22	182.8	10±	9 ...14	1828+	H	
8781	**Ħ VI. 37**	46 *Draconis*	40 18	55 25	....	210±	....	1780.75	Ħ	
8782	**Σ 37, App. I**	ϵ^1 and ϵ^2 *Lyrae*	40 22	39 33	172.9	207.08	4.6... 4.9	1835.23	Σ 5	
8783	**Σ 2382**	ϵ^1 (4) *Lyrae*	40 22	39 33	26.0	3.03	4.6... 6.3	1831.44	Σ 7	*Greenish wh.: bluish wh.*
8784	**Sh 277**	....	40 23	39 31	38.4	46.71	10.1...	1878.36	β 2	A and B
					356.0	25.01	....	1878.36	β 2	C and D
					247.3	42.57	....	1878.34	β 1	A and C
8785	**Σ 2383**	ϵ^2 (5) *Lyrae*	40 24	39 29	155.2	2.57	4.9... 5.2	1831.44	Σ 7	*Very wh.*
8786	**H 2839**	110 *Herculis*	40 30	20 26	95.5	44.70	6 ...13	1879.30	β 1	A and B
					92.0	61.16	...11	1879.43	β 2	A and C
8787	**H 5502**	SD (2°) 4738	40 34	− 2 31	10±	18±	10 ...14	1827.5	H	
8788	**β 968**	ζ *Lyrae*	40 38	37 29	48.7	26.93	...15.7	1889.43	β 2	A and B } AD *greenish wh.*
					275.4	43.37	...13.2	1880.50	β 2	A and C
					149.7	43.71	4.2... 5.5	1835.23	Σ 5	A and D
					304.1	61.66	...11.4	1880.49	β 1	A and E
8789	**Σ 2381**	L 34908	40 46	28 8	123.1	8.50	8.0...10.0	1830.39	Σ 3	8.0 *yel.*
8790	**Σ 2386** *rej.*	DM (35°) 3349, 3350	40 58	35 25	....	Cl. IV	8–9... 9–10	....	Σ	
8791	**H 2838**	O. Arg. S. 18676	41 2	−16 54	334.6	20±	7 ...11	1830+	H	
8792	**Σ 2393**	DM (38°) 3280	41 6	38 11	22.5	10.42	7.3...10.0	1829.68	Σ 3	7.3 *red*
8793	**H 1343**	....	41 7	27 12	121.5	3±	11 ...12	1828+	H	
8794	**Σ 2392**	DM (39°) 3517	41 10	39 6	317.2	2.70	8.2...10.2	1831.55	Σ 4	A and B } 8.2 *wh.*
					178.4	23.32	... 9.3	1831.19	Σ 5	A and C
8795	**Σ 2385**	DM (16°) 3609	41 12	16 51	36.8	4.28	8.3...10.7	1829.29	Σ 3	8.3 *yel'sh*
8796	**Espin 22**	DM (45°) 2667	41 12	45 43	135.9	2.73	9.3...12	1900.62	Es 2	A and B
					215.8	12±	9 ...10	1828+	H	A and C
8797	**Σ 2390**	DM (34°) 3310	41 29	34 23	157.9	4.23	7.3... 8.7	1830.09	Σ 3	7.3 *wh.*
8798	**Σ 2398**	O. Arg. N. 18609	41 34	59 25	134.4	12.42	8.2... 8.7	1832.17	Σ 3	*Yel'sh: bluish*
8799	**Σ 2395**	DM (45°) 2769	41 38	46 1	309.9	8.25	7.7...10.1	1831.69	Σ 4	7.7 *wh.*
8800	**β 465**	DM (56°) 2130	41 39	56 45	292.8	3.15	9.0...11.0	1877.29	Δ 2	
8801	**Σ 2394**	DM (41°) 4134	41 41	41 55	201.5	6.64	8.7... 9.2	1829.94	Σ 3	8.7 *yel'sh*
8802	**H 1344**	DM (15°) 3559	41 41	15 7	203.8	10±	9–10...10	1828+	H	
8803	**H 1345**	....	41 41	31 9	171.1	8±	13 = 13	1828+	H	
8804	**β 51**	DM (39°) 3523	41 42	39 34	297.5	6.13	10.2...11.2	1898.56	Doo 3	B and C
					185.2	74.95	9.0...	1898.56	Doo 3	A and B
8805	**A 254**	DM (30°) 3293	41 54	30 46	45.8	2.16	9.0...13.2	1901.77	A 2	
8806	**Hu 755**	DM (51°) 2419	41 58	51 53	117.7	0.68	8.7... 9.0	1904.40	Hu 1	
8807	**Hu 252**	SD (9°) 3873	42 2	9 8	191.8	0.20	9.0... 9.5	1900.61	Hu 2	(*A. J.* 494)
8808	**Hu 584**	DM (15°) 3566	42 4	15 29	31.2	0.39	9.4... 9.4	1902.66	Hu 3	(*Bul. L. O.* No. 27)
8809	**Σ 2389** *rej.*	DM (7°) 3841	42 9	7 35	....	Cl. IV	8 ...10	....	Σ	
8810	**Σ 2391**	L 34929	42 14	− 6 8	332.6	37.92	6.2... 9.0	1829.69	Σ 3	6.2 *yel'sh wh.*
8811	**Hu 253**	DM (8°) 3853	42 17	8 33	322.8	0.66	8.9...12.5	1900.61	Hu 2	(*A. J.* 494)
8812	**OΣ (App) 174**	L 34965	42 17	11 0	159.8	106.09	7.0... 7.7	1874.98	Δ 3	
8813	**A 91**	SD (6°) 4915	42 22	− 6 35	100.6	0.66	9.5...10.0	1900.51	A 2	(*A. N.* 3668)
8814	**Espin —**	DM (60°) 1844	42 24	60 32	103.6	4.3	9.1...11.1	1903	Es	(*M. N.*, LXIV, 238)
8815	**Σ 2388** *rej.*	SD (8°) 4714	42 26	− 8 36	....	....	8...10...10	....	Σ	Cl. V and III
8816	**H 2840**	SD (17°) 5328	42 27	−17 58	342.5	9±	10–11..10–11	1830+	H	
8817	**H 1347**	W^2 XVIII^h. 1264	42 30	28 17	276.1	15±	9–10..10	1828+	H	
8818	**See 362**	29 *Sagittarii*	42 34	−20 28	0.2	17.03	5.8...14.5	1897.75	See 1	
8819	**OΣ 362**	L 34978	18 42 34	10 31	338.7	7.63	7.8...11.9	1853.18	OΣ 4	(= OΣ 546)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8820	Ho 439	W^1 XVIII^h. 1031	$18^h 42^m 36^s$	−11° 6′	152°7	2″71	8.0...11.7	1891.73	Ho 2	
8821	H 2841	....	42 38	23 27	302.0	15±	9 ...12	1830+	H	
8822	Σ 2397	DM (31°) 3365	42 39	31 16	267.4	3.72	7.2... 9.5	1830.45	Σ 3	*Yel.: blue*
8823	Howe 44	O. Arg. S. 18713	42 49	−17 2	293.8	....	8.5... 9.0	1879.46	Cin 1	A and B
					305.0	34.13	...11.0	1879.46	Cin 1	A and C
8824	Σ 2396	DM (10°) 3665	42 49	10 38	232.8	11.74	7.7...11.2	1829.60	Σ 3	*7.7 yel'sh*
8825	Σ 2403	*Draconis* 203	42 53	60 55	258.7	1.87	6.2... 9.0	1832.21	Σ 4	*Yel.: blue*
8826	Hall	....	43 :	10 45:	209.0	0.85	10 ...10	1877.53	Hl 2	
8827	H VI. 50	P XVIII^h. 197	43 15	− 6 3	356.8	22.53	6.7...13.0	1879.37	β 1	A and B
					170.5	113.98	... 8.0	1879.35	β 2	A and C
8828	OΣ 363	Rad^1. 4091	43 15	77 34	20.0	0.55	7.5... 7.7	1852.40	OΣ 4	
8829	A 255	A. G. Camb. 9294	43 28	25 36	67.6	4.30	9.0...12.7	1901.70	A 3	
8830	Σ 2400	DM (16°) 3622	43 32	16 7	187.2	1.87	8.2...11.1	1892.42	β 2	A and B 8.1 *yel.*
					304.2	2.85	8.1...10.6	1831.16	Σ 4	A and C
8831	H 867	....	43 34	6 57	325±	2–3	15 ...16	1820+	H	
8832	Σ 2399	DM (13°) 3764	43 35	13 5	119.6	15.75	8.2... 8.8	1829.26	Σ 3	A and B
					49.6	33.29	...10.0	1829.26	Σ 3	A and C
8833	β 1300	30 *Sagittarii*	43 38	−22 15	246.6	21.46	6 ...13	1901.18	β 3	
8834	Hu 326	DM (23°) 3463	43 38	23 22	101.3	0.24	8.7... 9.0	1901.79	Hu 2	(*Bul. L. O.* No. 12)
8835	Hu 756	DM (51°) 2424	43 43	51 34	251.4	1.12	8.8...12.5	1904.40	Hu 1	
8836	Σ 2401	DM (21°) 3560	43 49	21 2	37.6	4.06	7.0... 8.6	1828.80	Σ 4	*Wh.: bluish*
8837	β 969	SD (8°) 4726	43 49	− 8 3	236.6	14.33	7.0...11.9	1880.51	β 4	
8838	H 1348	....	43 51	45 58	195.0	5±	11 ...12	1828+	H	
8839	Hn 148	O. Arg. S. 18742	43 56	−16 54	19.1	3.40	9.0...12.8	1889.04	Com 3	
8840	H 869	....	43 58	7 53	275±	6±	11 = 11	1820+	H	
8841	G.Anderson6	....	44 0:	10 40:	94.0	2.28	10 ...11	1885.56	Hl 3	
8842	H 868	....	44 0	− 8 5	....	....	....	1820+	H	
8843	H 2842	L 35001	44 3	−17 55	340.6	30±	8–9...10	1828+	H	
8844	Σ 2402	W^1 XVIII^h. 1090	44 5	10 32	197.7	0.74	8.0... 8.4	1830.20	Σ 4	*Very wh.*
8845	H 5070	O. Arg. S. 18747	44 6	−22 9	53.1	15±	8 ... 8½	1837.5	H	
8846	β 970	SD (8°) 4729	44 15	− 8 8	107.3	1.43	8.3...11.2	1880.58	β 4	
8847	H 1349	DM (33°) 3213	44 24	33 11	74.0	8±	9 ...12	1828+	H	
8848	H 1351	DM (43°) 3081	44 24	43 44	357.8	16±	9–10...10	1828+	H	A and B
					314.5	4±	...12	1828+	H	B and C
8849	β 971	*Draconis* 205	44 24	49 18	354.7	0.54	6.5... 8.5	1879.88	β 2	
8850	Hu 254	SD (7°) 3861	44 31	7 59	157.2	1.19	8.9...13.5	1900.61	Hu 2	(*A. J.* 494)
8851	Hu 327	DM (21°) 3565	44 38	21 16	97.0	0.25	9.0... 9.1	1901.79	Hu 3	(*Bul. L. O.* No. 12)
8852	β 265	L 35060	44 38	11 23	235.9	1.46	7.1... 9.1	1875.29	Δ 4	
8853	Hu 255	SD (17°) 5350	44 39	−17 27	169.5	1.60	8.3... 9.0	1900.68	Hu 3	(*A. J.* 494)
8854	Hu 328	DM (20°) 3950	44 51	20 35	189.0	4.70	9.0...10.3	1901.79	Hu 3	(*Bul. L. O.* No. 12)
8855	....	....	45 :	− 6 25:	22.0	7.28	9.5...10.1	1890.55	Gla 2	
8856	H 1350	....	45 1	12 11	176.0	3±	11 ...11	1828+	H	"Very delicate"
8857	Hu 256	DM (8°) 3866	45 2	8 34	43.2	4.45	8.5...12.8	1900.61	Hu 2	(*A. J.* 494)
8858	Σ 2406	DM (26°) 3368	45 5	26 17	4.7	4.87	7.2...11.2	1830.46	Σ 3	*7.2 yel'sh wh.*
8859	Σ 2407 *rej.*	DM (33°) 3217	45 6	33 8	206.9	27.76	9.1...11.5	1903.35	β 2	
8860	Σ 2404	*Tauri Pon.* 78	45 7	10 50	183.2	3.53	5.8... 7.0	1829.09	Σ 3	*Yel.: blue*
8861	Σ 2410	P XVIII^h. 226	45 11	59 12	97.5	1.49	8.2... 8.7	1833.19	Σ 3	*White*
8862	H V. 40	ν^1 *Lyrae*	45 18	32 40	70.5	36.24	6.0.. 11.5	1879.33	β 2	A and B
					122.2	58.58	...10.5	1879.33	β 2	A and C
					212.6	17.87	...11.7	1879.33	β 2	C and D
8863	H 1352	W^2 XVIII^h. 1350	45 24	29 40	234.6	6±	8 ... 9	1828+	H	
8864	Ho 440	ν^2 *Lyrae*	45 24	32 25	176.9	19.00	5.5...13	1892.71	Ho 2	
8865	A. G. 226	A. G. Lund 7931	45 30	38 10	54.4	25.94	9.0... 9.1	1903.92	β 2	
8866	A 256	DM (31°) 3375	45 31	31 41	54.3	2.52	8.7...11.2	1901.76	A 3	
8867	Σ 2405 *rej.*	SD (7°) 4746	18 45 39	− 7 24	....	Cl. IV	8 ...10	....	Σ	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8868	**Σ 39, App. I**	*β Lyrae*	$18^h 45^m 39^s$	33°13′	149°8	45″77	3.0... 6.7	1835.23	Σ 5	A and B AC=β 293 AB *yel.: wh.*
					248.0	46.30	...13	1878.36	β 2	A and C
					68.3	64.26	...14.3	1898.65	A 3	A and D
					317.7	66.25	... 9.2	1879.33	β 3	A and E
					18.8	85.78	... 9.0	1879.33	β 3	A and F
8869	**Hu 257**	SD (17°) 5359	45 48	−17 34	341.1	2.29	9.0...11.8	1900.68	Hu 3	(*A. J.* 494)
8870	**H —**	DM (10°) 3697	45 52	10 10	22.5	24.20	8 ... 8–9	1826.65	H 1	
8871	**H 870**	....	45 54	10 12	230±	10±	11 ...12	1828+	H	
8872	**Ho 569**	L 35076	46 6	−18 47	40.0	18.31	6.8...11.7	1895.65	Ho 2	(*A. N.* 3557)
8873	**Tarrant**	DM (33°) 3228	46 8	33 4	290.1	13.46	10 ...	1886.99	T 3	A and B
					236.7	4.26	10.5...11.5	1886.99	T 3	B and C
8874	**Σ 2409**	DM (13°) 3783	46 12	13 23	33.4	0.97	8.0... 9.3	1829.35	Σ 3	8.0 *yel'sh*
8875	**Espin 127**	DM (62°) 1649	46 12	62 46	135.7	4.7	9.5... 9.5	1902	Es 1	(*M N.* LXIII, 172)
8876	**Σ 2408**	DM (10°) 3703	46 19	10 38	96.5	2.30	7.5... 8.7	1830.70	Σ 3	*Wh.: ash*
8877	**Hu 199**	DM (11°) 3642	46 31	11 39	3.5	0.23	8.7... 9.1	1900.60	Hu 3	
8878	**Σ 2411**	*Aquilae* 11	46 50	14 24	95.7	13.54	7.0... 9.8	1829.00	Σ 3	7.0 *yel'sh*
8879	**β 1033**	ν^1 *Sagittarii*	46 56	−22 53	104.0	1.86	5.5...11.0	1888.68	β 1	A and B
					60.3	....	6 ...10	1837.5	H	A and C
8880	**A 92**	SD (2°) 4773	46 58	− 2 35	33.4	5.10	8.6...13.8	1900.51	A 2	(*A. N.* 3668)
8881	**Σ 2412**	DM (13°) 3795	47 5	13 52	53.3	1.27	8.4... 8.5	1830.93	Σ 4	*Yel'sh*
8882	**A 358**	A. G. Albany 6407	47 16	4 5	113.6	1.34	9.0...14.8	1902.77	A 2	(*Bul. L. O.* No. 29)
8883	**A 93**	SD (5°) 4798	47 18	− 5 41	325.0	0.28	8.9... 9.3	1900.54	A 3	
8884	**Σ 2413**	DM (3°) 3825	47 24	3 14	199.0	9.55	8.2... 8.7	1830.04	Σ 3	*White*
8885	**Hu 258**	DM (11°) 3651	47 24	11 28	216.1	2.53	8.9... 9.4	1900.60	Hu 3	(*A. J.* 494)
8886	**H 2843**	SD (17°) 5372	47 54	−17 42	350±	12±	10 ...13	1830+	H	
8887	**β 421**	W^2 XVIII^h. 1452	48 3	43 15	289.9	1.00	9.1... 9.3	1877.16	Δ 4	A and B
					230.8	39.05	... 9.2	1893.43	W 2	AB and C
8888	**H 2846**	....	48 11	62 25	254.0	12±	10 ...11	1830+	H	
8889	**Weisse 33**	W^2 XVIII^h. 1454	48 14	39 17	....	....	8–9...	....	....	
8890	**A 257**	DM (31°) 3384	48 16	31 16	111.2	0.92	8.5...13.5	1901.83	A 2	
8891	**H 2844**	O. Arg. S. 18833	48 21	−17 47	106.3	23.23	8.0... 9.7	1890.57	Gla 2	
8892	**OΣ 364**	L 35242	48 25	25 14	162.8	0.74	7.5...10.5?	1842.67	OΣ 1	
8893	**See 364**	Cord. 18^h. 2643	48 26	−28 17	96.4	0.41	8.1... 9	1897.63	See 1	
8894	**OΣ (App) 176**	L 35215	48 27	1 45	116.2	97.44	7.0... 7.1	1874.62	Δ 3	
8895	**H 1353**	DM (11°) 3654	48 42	11 9	212.2	5±	9 ...10	1828+	H	
8896	**H 1354**	DM (36°) 3303	48 45	36 13	187.0	8±	10 ...10	1828+	H	
8897	**H 2845**	L 35207	48 55	−17 44	4.0	4±	8–9... 9–10	1828+	H	
8898	**Lewis 26**	....	49 :	34 27:	84.6	5.13	8.0...10.0	1899.44	L 1	
8899	**Dunér 2**	....	49 :	13 22:	139.5	19.07	9.2... 9.5	1869.84	Du 2	
8900	**Hu 259**	DM (8°) 3896	49 10	8 21	5.2	0.21	9.3... 9.5	1900.61	Hu 2	(*A. J.* 494)
8901	**Ho 89**	W^2 XVIII^h. 1481	49 13	37 19	166.6	6.01	8.0...12.0	1886.23	Ho 2	
8902	**Σ 2416**	DM (51°) 2444	49 15	51 11	156.9	15.61	8.0...10.2	1830.78	Σ 2	8.0 *wh.*
8903	**H 871**	....	49 15	− 0 17	50±	5±	....	1820+	H	
8904	**H 1355**	....	49 17	27 9	14.8	9±	10 ...11	1828+	H	
8905	**Σ 2415**	*Herculis* 490	49 23	20 28	298.7	2.01	6.6... 8.5	1831.55	Σ 5	*Yel'sh: bluish*
8906	**Σ 2420**	*o Draconis*	49 25	59 14	346.2	30.33	4.6... 7.6	1833.81	Σ 5	*Very wh.: ash*
8907	**H̶ VI. 3**	δ^1 *Lyrae*	49 32	36 49	....	240±	....	1781.89	H̶	
8908	**β 646**	113 *Herculis*	49 41	22 30	159.2	7.0	12.5...12.5	1877.53	β 1	B and C
					34.2	35.48	6.0...	1878.68	β 1	A and B
					24.9	40.68	....	1878.68	β 1	A and C
8909	**β 137**	W^2 XVIII^h. 1503	49 48	37 14	123.8	1.15	8.2... 8.7	1875.33	Δ 4	A and B
					142.0	17.92	...11.5	1880.47	β 1	A and C
8910	**H 5503**	O. Arg. S. 18871	49 55	−15 1	85±	....	8 ...11	1823.6	H	
8911	**β 972**	*Schj.* 7042	18 49 59	− 0 43	4.7	1.09	8.9... 9.6	1880.42	β 5	A and B
					14.4	73.58	... 9.1	1880.42	β 4	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8912	β 647	DM (13°) 3814	$18^h\ 50^m\ 0^s$	13°41′	11°5	1″01	9.0... 9.2	1877.72	Δ 2	A and B
					215.8	19.56	... 9.2	1877.72	Δ 2	AB and C
8913	Σ 2414	L 35280	50 6	− 0 58	277.7	17.19	8.0...11.0	1831.57	Σ 3	8.0 *very wh.*
8914	Σ 2417	*θ Serpentis*	50 15	4 3	103.8	21.65	4.0... 4.2	1830.05	Σ 8	*Yel'sh wh.*
8915	Ho 90	W^2 XVIII^h. 1527	50 18	37 10	225.4	3.76	8 ...12	1885.19	Ho 2	
8916	OΣ 525	*Lyrae* 91	50 28	33 49	128.0	1.55	5.1...10.3	1849.70	OΣ 7	A and B 5.1 *yel.:*
					350.5	45.50	... 7.1	1846.98	OΣ 10	A and C 7.1 *blue*
8917	Σ 2418 *rej.*	DM (26°) 3394	50 31	26 52	....	Cl. IV	8 ...10	....	Σ	Est. 20° : 12″ (1876)
8918	A 258	DM (30°) 3345	50 34	30 44	268.4	0.25	8.6... 9.0	1901.76	A 3	
8919	H 872	SD (3°) 4421	50 38	− 3 43	55±	8±	10 ...12	1820+	H	
8920	Σ 2419	W^2 XVIII^h. 1538	50 47	29 4	179.5	3.24	8.7... 8.8	1831.13	Σ 3	*Very wh.*
8921	Σ 2423	DM (65°) 1301	50 52	65 5	203.0	2.24	8.5... 9.8	1832.66	Σ 3	8.5 *wh.*
8922	H 5504	L 35322	50 56	2 18	....	....	8 ...	1823+	H	
8923	Ho 270	W^2 XVIII^h. 1551	51 1	41 27	307.3	8.23	6.0...13	1887.54	Ho 1	A and B
					38.7	23.23	...12	1887.54	Ho 1	A and C
8924	Ho 271	SD (20°) 5344	51 4	−20 35	333.9	16.41	7.0...12.8	1889.04	Ho 3	
8925	Σ 2421	DM (33°) 3262	51 37	33 38	68.8	21.15	8.0... 8.7	1829.25	Σ 2	*White*
8926	β 1255	B. A. C. 6476	51 37	48 43	88.0	1.56	5.8...12.5	1891.58	β 3	
8927	Hu 676	DM (14°) 3719	51 44	14 41	79.7	1.41	7.2...10.0	1902.70	Hu 2	
8928	H 873	....	51 51	3 58	75±	15±	9 ...10	1828+	H	
8929	H 5505	DM (9°) 3941, 3942	51 56	9 33	155±	25±	10.5...10.5	1827.6	H	
8930	Σ 2422	DM (25°) 3672	52 15	25 56	105.7	0.85	7.6... 7.7	1832.10	Σ 6	*White*
8931	Hu 329	DM (21°) 3619	52 18	21 19	62.0	0.16	9.1... 9.6	1901.79	Hu 2	(*Bul. L. O.* No. 12)
8932	OΣ 365	L 35438	52 20	44 4	168.1	0.50	7.4... 8.5	1841.65	OΣ 1	A and B AC=
					262.9	2.69	...11.1	1833.37	Σ 6	AB and C Σ 3130
8933	β 648	B. A. C. 6480	52 30	32 45	312.5	0.60	6.0... 9.5	1878.47	β 2	
8934	A 259	A. G. Camb. 9408	52 44	27 31	73.6	2.11	9.0...12.5	1901.50	A 3	
8935	H 1356	DM (45°) 2797, 2796	52 52	45 21	345.4	30±	9 ... 9–10	1828+	H	
8936	Ho 91	L 35421	52 54	17 12	132.5	6.27	6.0...11.7	1886.72	Ho 2	
8937	A 260	DM (31°) 3415	53 3	32 0	243.0	0.77	8.9... 9.1	1901.74	A 3	
8938	H 2848	....	53 6	57 40	295.9	3±	11 ...12	1830+	H	
8939	Hu 330	DM (19°) 3856	53 26	19 26	31.1	0.75	9.0... 9.3	1901.60	Hu 3	(*Bul. L. O.* No. 12)
8940	Σ 2424	11 *Aquilae*	53 34	13 28	241.6	18.66	5.7... 9.2	1831.31	Σ 3	*Greenish wh.: ash*
8941	H 1357	DM (45°) 2799	53 34	45 42	210.8	16±	8 ...12	1828+	H	
8942	Hu 331	DM (17°) 3805	53 48	18 0	193.4	0.82	8.4...12.4	1901.60	Hu 3	(*Bul. L. O.* No. 12)
8943	Σ 2427	DM (38°) 3375	53 57	38 4	63.6	44.24	8.5... 9.0	1828.74	Σ 2	A and B
					80.1	6.89	... 9.2	1829.08	Σ 3	B and C
8944	H 1358	W^2 XVIII^h. 1650	53 57	43 16	266.0	12±	9–10...10	1828+	H	
8945	Hu 332	DM (22°) 3545	53 59	22 20	197.7	0.38	8.8... 9.0	1901.79	Hu 3	(*Bul. L. O.* No. 12)
8946	Ward	....	54 :	14 54	252.4	9.33	10.2...10.6	1902.26	β 2	A and B
					100.1	22.08	...10.5	1902.26	β 2	A and C
8947	Σ 2425	SD (8°) 4809	54 3	− 8 17	183.2	32.07	6.9... 7.7	1828.60	Σ 4	*Yel'sh: ashy*
8948	Hu 260	SD (16°) 5113	54 4	−16 23	307.4	3.38	8.7...14.0	1900.74	Hu 2	(*A. J.* 494)
8949	H 5506	....	54 5	9 52	70±	7±	11 ...12	1827.6	H	
8950	Σ 2429	DM (36°) 3348	54 12	36 16	289.5	5.32	8.3... 9.8	1829.80	Σ 3	8.3 *wh.*
8951	A 261	A. G. Camb. 9442	54 18	27 20	193.0	3.34	9.0...12.5	1901.49	A 3	
8952	A 587	A. G. Bonn 12474	54 21	43 57	187.4	1.78	10.0...11.0	1903.79	A 2	B and C (*Bul. L. O.*
					306.9	41.08	9.0...	1903.79	A 2	A and B No. 50)
8953	β 649	DM (32°) 3285	54 24	32 18	12.8	1.57	8.5...11.7	1878.46	β 2	
8954	Σ 2426	DM (12°) 3750	54 25	12 43	79.8	16.89	6.8... 8.2	1829.40	Σ 3	
8955	A.G.Clark 9	*γ Lyrae*	54 27	32 31	296.9	13.79	3.2...12.0	1868.63	OΣ 3	(= OΣ 544)
8956	Σ 2428	P XVIII^h. 263	54 29	14 45	288.6	6.45	8.0... 9.8	1830.96	Σ 3	8.0 *wh.*
8957	H 874	W^1 XVIII^h. 1351	54 35	− 0 37	305±	15±	7–8...14	1820+	H	
8958	Hu 71	SD (10°) 4914	54 37	−10 19	353.5	0.63	9.2... 9.5	1899.71	Hu 3	(*A. J.* 480)
8959	A 39	SD (6°) 5004	54 38	− 6 46	283.0	5.01	8.5...12.0	1899.71	A 3	(*A. N.* 3635)
8960	Hu 677	DM (12°) 3751	18 54 40	12 53	43.0	1.82	8.8... 9.5	1902.70	Hu 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
8960½	**Hn 33**	**Cord. G. C.** 26032	18h 54m 40s	−28°49′	59°.1	2″.42	8.3... 8.4	1881.53	β 3	
8961	**Σ 2430**	**DM** (29°) 3429	54 41	29 26	359.3	1.93	8.5... 8.5	1830.45	Σ 3	*Very wh.*
8962	**Σ 2433**	**DM** (56°) 2167	54 43	56 35	127.7	7.39	7.1...10.2	1834.14	Σ 4	*Wh.: blue*
8963	**Σ 2431**	*Lyrae* 105	54 51	40 31	236.4	18.75	6.9... 9.2	1829.92	Σ 4	6.9 *very wh.*
8964	**Hu 678**	**DM** (12°) 3754	54 59	12 4	359.5	2.98	8.0...10.5	1902.70	Hu 2	
8965	**Hd 150**	ζ *Sagittarii*	55 0	−30 3	267.8	0.62	4.0... 5.0	1867.60	Hd 2	A and B
					298.0	Cl. V	....	1783.61	♅ 2	AB and C
8966	**Σ 2438**	**P XVIIIh.** 287	55 29	58 4	340.6	0.72	7.0... 7.6	1832.53	Σ 4	*Wh.*
8967	**A 40**	**SD** (8°) 4821	55 39	− 8 26	250.6	2.83	8.8...12.3	1899.71	A 3	(*A. N.* 3635)
8969	**H 2850**	**W² XVIIIh.** 1695	55 44	23 8	272.0	1½	10–11..11	1830+	H	
8970	**A 41**	**SD** (6°) 5012	55 45	− 6 53	202.4	0.51	9.1... 9.2	1899.71	A 3	(*A. N.* 3635)
8971	**H 1359**	**DM** (11°) 3697	55 46	11 26	180±	8±	9–10...16	1828+	H	
8972	**A 588**	**A. G. Bonn** 12496	55 48	43 34	161.0	5.02	8.1...14.5	1903.80	A 2	
8973	**β 973**	**DM** (8°) 3945	55 58	8 35	350.7	1.43	9.1...12.0	1880.13	β 5	A and B CD= Howe 45
					262.7	2.90	11.4...12.0	1880.13	β 5	C and D
					20.7	10.73	....	1880.58	β 3	A and C
					12.3	10.25	8.5...11.5	1827.67	Σ 2	A and D
8974	**Egbert 7**	....	56 :	−19 25:	262.4	14.34	11.0...11.5	1879.48	Cin 1	
8975	**H 5082**	**L** 35497	56 1	−19 25	91.0	6±	6 ...11½	1836.5	H	A and B
					107.4	18±	...12	1836.5	H	A and C
8976	**H 2849**	**SD** (15°) 5197	56 3	−15 56	145.1	15±	9–10...10	1830+	H	
8977	**Σ 2440**	*Draconis* 223	56 5	62 14	123.4	16.63	6.5... 9.0	1832.27	Σ 2	6.5 *yel.*
8978	**A 42**	**SD** (6°) 5016	56 8	− 6 30	67.3	0.65	9.0... 9.1	1899.73	A 3	A and B (*A. N.* 3635)
					311.7	4.60	11.0...12.5	1899.74	A 2	C and D
					321.5	75.15	....	1899.71	A 1	A and C
8979	**Σ 2432** *rej.*	**W¹ XVIIIh.** 1397	56 14	12 22	....	III–IV	7...10	....	Σ	*Reddish yel.: ash*
8980	**H 875**	....	56 15	− 2 20	92±	6±	12 ...12	1820+	H	
8981	**♅ IV. 93**	....	56 18:	41 3:	246.0	19.83	....	1783.63	♅	
8982	**Ho 92**	**DM** (32°) 3295	56 21	32 21	41.9	1.06	9.0... 9.1	1886.18	Ho 2	
8983	**Σ 2436**	**DM** (8°) 3950	56 24	8 35	308.9	34.58	7.4... 8.1	1830.35	Σ 5	*Yel'sh wh.: bluish wh.*
8984	**A 359**	**DM** (6°) 3998	56 26	6 42	275.5	1.95	9.0...11.2	1902.71	A 3	(*Bul. L. O.* No. 29)
8985	**H 1360**	....	56 30	36 28	232.5	3±	14 = 14	1828+	H	"Very delicate"
8986	**Σ 2434**	**P XVIIIh.** 274	56 34	− 0 53	147.0	25.56	7.9... 8.4	1831.57	Σ 4	A and B AB *wh.*
					80.5	1.93	...10.3	1831.57	Σ 3	B and C
8987	**Ho 93**	*Schj.* 7117	56 36	14 16	334.6	1.07	7.7...12.0	1883.68	Ho 2	A and B
					210.5	39.17	...12.5	1892.76	Ho 1	A and C
8988	**Σ 2437**	**L** 35583	56 38	19 0	80.8	1.08	7.8... 8.0	1830.79	Σ 5	*White*
8989	**H 2851**	**L** 35586	56 41	18 57	108.8	16±	7 ...15	1830+	H	
8990	**H 1361**	**W² XVIIIh.** 1732	56 44	29 7	166.6	8±	9 ...12	1828+	H	
8991	**♅ N. 129**	**L** 35530	57 0	−23 5	....	Cl. II	....	1801.69	♅	
8992	**See 368**	**Cord. 18h.** 3023	57 3	−31 7	305.7	16.86	8.1...11.5	1896.77	See 2	
8993	**♅ N. 126**	**B. A. C.** 6504	57 10	−21 43	....	Cl. I	....	1801.67	♅	
8994	**H 2852**	**DM** (7°) 3943	57 16	7 14	134.5	18±	10 ...12	1830+	H	
8995	**See 369**	o *Sagittarii*	57 29	−21 55	236.7	34.53	4.5...14.5	1897.74	See 1	
8996	**A 360**	**A. G. Leip.** 8986	57 34	7 8	287.2	0.44	9.4... 9.5	1902.73	A 3	(*Bul. L. O.* No. 29)
8997	**Σ 2452**	*Draconis* 233	57 35	75 38	219.8	5.65	6.7... 7.5	1832.09	Σ 3	*White*
8998	**Ho 94**	**SD** (11°) 4857	57 36	−11 39	314.7	6.97	9.0...11.5	1885.15	Ho 2	
8999	**H 1362**	16 *Lyrae*	58 3	46 46	270.0	25±	6 ...14	1828+	H	
9000	**Σ 2441**	**DM** (31°) 3441	58 7	31 13	291.9	5.22	7.7... 9.3	1830.34	Σ 3	7.7 *yel'sh*
9001	**Σ 2442**	**DM** (16°) 3713	58 20	16 48	207.6	23.05	8.0... 9.5	1828.77	Σ 2	8.0 *yel'sh*
9002	**Σ 2439**	**SD** (7°) 4844	58 32	− 7 19	199.5	21.97	8.0... 9.0	1831.02	Σ 3	*White*
9003	**Σ 2444**	**L** 35688	58 32	25 53	321.5	24.78	8.5...10.2	1829.74	Σ 3	8.5 *yel.*
9004	**Σ 2443**	**W¹ XVIIIh.** 1475	58 36	14 36	312.8	6.31	8.2... 8.6	1829.16	Σ 4	*White*
9005	**Sh 286**	15 *Aquilae*	58 38	− 4 13	206.7	35.62	6 ... 7	1823.54	Sh 2	*White: bluish*
9006	**H 5507**	**SD** (15°) 5223	18 58 49	−15 50	50±	....	6 ...12	1823.6	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9007	β 974	*Schj.* 7133	$18^h\ 58^m\ 53^s$	− 6°21′	87°.8	0″.72	9.4… 9.8	1880.60	β 3	
9008	♅ I. 60	….	58 54:	31 32:	286.8	….	….	1783.10	♅ 1	
9009	β 52	W^2 XVIII^h. 180	58 54	25 51	171.0	8.65	9.6…11.5	1896.61	Lv 3	B and C
					299.8	51.91	8.2…	1896.61	Lv 3	A and B
9010	A 589	A. G. Bonn 12549	59 14	42 22	8.4	0.47	8.6… 9.5	1903.80	A 3	(*Bul. L. O.* No. 50)
9011	Σ 2450	*Draconis* 228	59 18	52 5	305.1	4.88	6.9… 9.6	1832.23	Σ 4	*Very yel.: ash*
9012	Σ 2448	DM (35°) 3460	59 22	35 34	193.2	2.37	8.2… 8.2	1831.61	Σ 6	*Yel'sh wh.*
9013	β 1285	L 35740	59 31	33 58	295.1	11.10	7.1…13.3	1899.31	β 3	A and B
					208.4	39.84	…10.5	1899.44	β 1	A and C
9014	β 466	W^1 XVIII^h. 1503	59 34	10 39	165.1	1.71	9.2…10.0	1877.73	Δ 2	
9015	Σ 2445	*Vulpeculae* 1	59 35	23 9	263.5	12.12	6.3… 8.0	1830.74	Σ 5	*Very wh.: ashy*
9016	H 1364	DM (44°) 3051	59 36	44 17	204.5	1±	10–11..11	1828+	H	
9017	H 5090	SD (10°) 4948	59 42	−10 54	247.0	15±	10 = 10	1835.4	H	
9018	Bird 4	DM (32°) 3306	59 45	32 35	315.2	2.66	8.4… 8.6	1881.38	β 4	
9019	H 2853	SD (20°) 5395	59 52	−20 10	99.5	12±	9–10…10	1830+	H	8.3 m. in SD
9020	β 287	ζ *Aquilae*	59 54	13 41	59.6	4.92	3.0…12.	1878.54	β 3	
9021	Σ 2446	P XVIII^h. 302	59 56	6 22	154.5	10.13	6.3… 8.3	1831.70	Σ 6	*Wh.: bluish*
9022	S 710	L 35693	59 58	−16 25	4.6	7.05	6 …10	1825.54	S 2	10 *blue*
9023	Σ 2451	DM (51°) 2488	19 0 4	51 25	58.1	2.60	8.7… 9.0	1831.31	Σ 3	*White*
9024	β 359	W^2 XVIII^h. 1849	0 7	23 15	82.6	4.29	8.8…10.0	1876.97	Δ 6	
9025	H 1365	DM (26°) 3443	0 22	26 57	327.5	15±	9–10…11	1828+	H	
9026	Σ 2447	*Aquilae* 39	0 22	− 1 32	344.9	13.82	6.7… 9.1	1829.53	Σ 5	6.7 *yel'sh*
9027	Ho 441	SD (12°) 5283	0 33	−12 51	200.7	1.31	9.5… 9.5	1888.59	Ho 2	
9028	Σ 2449	W^1 XVIII^h. 1526	0 33	6 58	292.3	8.01	7.1… 7.8	1829.80	Σ 5	*White*
9029	Da 9	L 35816	0 35	43 42	179.5	2.16	7.4…11.0	1859.82	Da 5	
9030	S 711	L 35703	0 41	−27 1	124.5	45.11	8 …10–11	1825.54	S 3	
9031	H 1363	….	0 46	−16 58	323.5	3±	13 = 13	1828+	H	
9032	Ho 95	DM (27°) 3241	0 49	27 6	218.8	0.38	8.0… 8.0	1885.79	Ho 2	
9033	Lewis 27	….	1 :	29 53:	190.1	1.03	9 …10	1900.50	L 1	(*M. N.* LXI, 486)
9034	H 2854	DM (8°) 3975	1 5	8 36	63.6	8±	9 …11	1830+	H	
9035	Σ 2453	L 35825	1 7	39 57	100.3	15.13	8.2…10.7	1829.81	Σ 3	
9036	Ho 96	SD (12°) 5288	1 11	−12 56	133.7	2.85	9.0…10.7	1886.78	Ho 2	
9037	A. G. 227	A. G. Lund 8120	1 14	37 52	7.5	5.70	9.3… 9.4	1903.51	β 2	
9038	Σ 2454	DM (30°) 3413	1 30	30 15	204.0	0.75	8.0… 9.2	1831.50	Σ 3	8.0 *yel.*
9039	Arg. 33	O. Arg. N. 18919	1 32	57 17	….	….	8–9…	….	….	
9040	A 361	A. G. Leip. II. 9041	1 38	8 0	24.5	0.31	9.6… 9.8	1902.62	A 3	(*Bul. L. O.* No. 29)
9041	Σ 2456	DM (38°) 3429, 3428	1 40	38 20	13.6	29.07	8.2… 8.2	1829.43	Σ 3	*White*
9042	♅ V. 103	L 35845	1 42	35 42	60.6	45.53	….	1783.63	♅ 1	
9043	Σ 2455	L 35821	1 47	21 59	144.5	4.93	7.2… 8.3	1828.77	Σ 3	7.2 *very wh.*
9044	Ho 97	W^2 XVIII^h. 1920	1 52	31 33	19.1	0.73	9.0… 9.0	1881.96	Ho 3	A and B
					57.6	15.36	…13	1881.64	Ho 2	AB and C
					312.0	38.	…12.5	1881.64	Ho 1	AB and D
9045	Σ 2457	DM (22°) 3594	2 3	22 24	201.3	10.10	7.2… 8.7	1828.73	Σ 2	7.2 *wh*
9046	Σ 2458	DM (27°) 3247	2 4	27 34	227.7	10.93	8.5… 9.0	1829.23	Σ 2	
9047	A 94	SD (9°) 5013	2 9	− 9 30	315.5	2.23	8.7… 8.9	1900.46	A 3	
9048	A 262	A. G. Berlin 6855	2 20	24 20	89.8	0.17	9.0… 9.1	1901.43	A 3	
9049	Σ 2459	DM (25°) 3726	2 28	25 47	233.0	13.75	8.4… 9.1	1830.70	Σ 4	*White*
9050	H 876	W^1 XVIII^h. 851	2 29	8 48	10±	17±	9 …16	1820+	H	
9051	Σ 2463	DM (45°) 2831	2 30	45 38	9.9	9.58	8.5…10.2	1832.22	Σ 4	A and B 8.5 *wh.*
					286.4	13±	…(14)	1828+	H	A and C
9052	Σ 2460	DM (19°) 3920	2 45	19 34	198.9	9.18	9.0… 9.2	1829.01	Σ 3	
9053	Σ 2461	17 *Lyrae*	2 53	32 19	330.6	3.72	5.7… 9.8	1830.72	Σ 3	*Yel'sh: bluish*
9054	Σ 2478	DM (69°) 1022	3 4	69 16	290.2	1.33	8.8… 8.8	1832.54	Σ 3	
9055	Σ 2465	DM (30°) 3427	3 8	30 29	250.1	1.21	8.3…10.2	1831.06	Σ 3	8.3 *yel'sh*
9056	Σ 2466	DM (29°) 3483	19 3 13	29 37	109.3	2.28	8.0… 8.5	1831.02	Σ 3	*Very wh.*

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9057	Σ 2462	DM (3°) 3918	19^h 3^m 15^s	3°13′	152°8	8″30	9.5... 9.5	1831.07	Σ 2	A and B
					231.6	8.62	...12.5	1878.70	β 1	A and C
					71.8	5.95	...12.5	1878.70	β 1	B and D
9058	Ho 570	....	3 24	19 2	224.0	10.35	9 ...10.5	1894.05	Ho 3	
9059	Ho 98	L 35917	3 25	26 54	163.6	0.27	8.0... 8.0	1886.41	Ho 3	A and B
					110.7	27.55	...12.2	1893.17	Ho 1	AB and C
9060	Ho 99	DM (30°) 3432	3 30	30 20	128.0	0.3±	9.0... 9.0	1881.96	Ho 3	
9061	Σ 2464	DM (11°) 3751	3 36	11 41	19.2	1.36	8.2...10.5	1830.36	Σ 3	8.2 *wh.*
9062	H 1369	....	3 39	36 44	124.7	4±	11 ...11–12	1828+	H	
9063	Ho 442	W^2 XIX^h. 41	3 39	19 2	89.4	2.28	9.0...10.5	1893.24	Ho 2	
9064	Σ 2469	P XIX^h. 8	3 42	38 44	120.9	1.27	7.6... 8.7	1831.05	Σ 4	*White*
9065	H 2855	....	3 51	22 28	....	12±	10 ...11	1830+	H	
9066	H 1370	W^2 XIX^h. 77	4 1	40 39	278.5	15±	8 ...13	1828+	H	
9067	Σ 2467	DM (30°) 3436	4 2	30 38	263.0	10.11	8.6... 9.0	1829.50	Σ 4	
9068	H 1368	....	4 5	12 8	20±	5±	10 ...15	1828+	H	A and B
					220±	10±	...15	1828+	H	A and C
9069	Ho 100	W^1 XIX^h. 29	4 9	−12 20	327.5	4.80	8.0...11.0	1884.64	Ho 3	
9070	Ho 571	W^2 XIX^h. 74	4 13	30 41	215.3	11.09	8 ...12	1895.60	Ho 3	(*A. N.* 3557)
9071	Ho 443	....	4 16	19 13	111.1	2.76	9.5... 9.5	1893.75	Ho 1	
9072	H 1367	O. Arg. S. 19207	4 18	−17 37	62.0	12±	9–10..10–11	1828+	H	A and B
					315.0	15±	...17	1828+	H	A and C
9073	Σ 2470	DM (34°) 3437, 3436	4 22	34 34	271.5	12.90	6.7... 8.2	1829.78	Σ 3	*White*
9074	Ho 444	L 35960	4 22	26 45	75.9	1.08	8.4...10.0	1893.11	Ho 4	
9075	Σ 2472	P XIX^h. 13	4 25	37 43	336.5	17.14	7.5... 9.2	1831.86	Σ 3	A and B
					349.1	75.07	....	1832.91	Σ 3	A and C 7.5 *yel.* CD= Σ 2473
					293.2	6.21	9.0... 9.2	1831.86	Σ 3	C and D
9076	Σ 2468	DM (8°) 3992	4 27	8 29	258.1	7.58	8.2... 9.2	1830.69	Σ 3	*Wh.: bluish*
9077	A 95	L 35921	4 33	− 7 37	36.8	0.23	7.2... 7.8	1900.46	A 3	
9078	Σ 2474	DM (34°) 3439, 3438	4 40	34 24	258.7	17.32	6.7... 8.0	1830.79	Σ 3	*Yel'sh: ashy*
9079	Ho 572	L 35989	4 45	30 22	315.7	18.40	6.5...12.2	1896.68	Ho 2	(*A. N.* 3557)
9080	H 877	....	4 46	19 22	305±	5±	11 ...11+	1820+	H	
9081	See 371	Cord. DM (22°) 13701	4 55	−22 7	330.1	7.84	7.5...13.4	1897.72	See 1	
9082	O. Stone 45	....	5 :	75 42:	244.7	5.54	7.0... 9.5	1879.50	Cin 1	A and B
					278.3	23.10	... 9.5	1879.50	Cin 1	A and C
9083	H 1372	....	5 2	24 29	174.4	10±	10 ...13–14	1828+	H	
9084	Σ 2475	DM (17°) 3879	5 6	17 32	322.1	6.30	8.4...10.5	1830.48	Σ 4	8.4 *wh.*
9085	Σ 2471	L 35971	5 10	7 56	121.8	7.63	7.9...10.7	1830.18	Σ 4	7.9 *wh.*
9086	H 1371	DM (14°) 3814	5 11	14 16	95.2	10±	9–10...10–11	1828+	H	
9087	A 150	A. G. Berlin 6875	5 11	20 18	99.8	0.38	8.9... 9.0	1900.57	A 4	
9088	Espin —	DM (61°) 1816	5 11	61 5	243.9	6.1	9.1... 9.8	1903	Es	(*M. N.* LXIV, 238)
9089	H 5096	SD (10°) 4985	5 12	−10 47	70.2	15±	9 ...10	1835.4	H	
9090	Δ 19	*Cygni* 4	5 52	55 8	40.8	obl.	7.0...10.0	1863.87	Δ 4	A and B AB *wh.:* C *blue*
					38.0	6.65	... 9.4	1832.61	Σ 4	AB and C AC= Σ 2479
9091	A 263	DM (38°) 3458	5 53	38 10	227.3	1.39	8.5...14.7	1901.56	A 3	
9092	H 5097	....	5 56	−17 48	88.8	4±	10 ...12	1836.5	H	
9093	Schj. 19	W^1 XIX^h. 81	5 57	0 43	257.7	50.48	8.6... 9.0	1904.35	β 2	
9094	Σ 2477 *rej.*	SD (4°) 4719	6 0	− 4 40	45.3	30.10	8 ...10	1848.65	Mh 1	
9095	β 1204	*Aquilae* 56	6 1	2 25	3.8	0.44	7.7... 8.5	1890.56	β 3	A and B
					195.0	12.89	...14	1890.57	β 4	A and C
					159.9	21.23	...14.8	1890.61	β 3	A and D AG= Σ 2476
					317.4	26.30	...14.2	1890.57	β 2	A and E
					292.5	27.77	...14	1890.57	β 3	A and F
					214.7	31.41	6.2...11.0	1830.61	Σ 2	A and G
9096	H 878	....	6 4	8 30	340±	16±	10–11...11+	1820+	H	
9097	A 151	A. G. Berlin 6885	19 6 15	21 4	125.5	0.54	7.6... 8.9	1900.57	A 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9098	H 265	....	19^h 6^{m}15.^{s}	− 2°35′	285° ±	5″ ±	10 ...11	1820+	H	A and B
					295 ±	....	....	1820+	H	A and C
					360 ±	....	....	1820+	H	A and D
9099	A 152	DM (36°) 3430	6 20	36 49	2.5	2.06	9.1... 9.3	1901.31	A 2	
9100	A 96	SD (7°) 4888	6 21	− 7 42	24.9	3.47	8.5...13.5	1900.46	A 3	(*A. N.* 3668)
9101	H 1373	....	6 23	−18 19	227.5	9±	10 ...11	1828+	H	
9102	Hu 333	DM (17°) 3881	6 24	17 41	85.6	2.01	8.1...13.2	1901.54	Hu 4	(*Bul. L. O.* No. 12)
9103	H 2856	....	6 31	−16 44	141.5	3±	11 ...12	1830+	H	"A pretty double star."
9104	Hu 334	DM (17°) 3883	6 32	17 57	244.9	1.58	8.5...11.0	1901.54	Hu 3	(*Bul. L. O.* No. 12)
9105	H 1374	L 36113	6 34	44 22	110.3	8±	9 ...15	1828+	H	A and B
					350±	15±	...17	1828+	H	A and C
9106	β 138	L 36013	6 37	−14 39	278.3	1.54	7.5...10.9	1875.07	Δ 4	
9107	Schj. 20	W^1 XIX^h. 101	6 40	− 3 45	230.3	61.09	8.5... 8.8	1901.45	β 2	
9108	A 97	SD (3°) 4516	6 45	− 3 37	39.6	0.64	10.2...10.3	1900.50	A 3	B and C (*A. N.* 3668)
					239.7	7.25	...13.5	1900.51	A 1	BC and D
					222.6	92.67	8.5...	1900.47	A 1	A and BC
9109	A 362	A. G. Albany 6584	6 47	4 52	246.8	4.83	8.7...14.2	1902.48	A 3	(*Bul. L. O.* No. 29)
9110	A 590	A. G. Bonn 12682	6 48	41 27	131.6	0.46	9.0... 9.1	1903.57	A 3	(*Bul. L. O.* No. 50)
9111	Hd 152	Cord. G. C. 26333	6 51	−29 29	263.6	1±	8 ...10	1867.62	Hd 1	
9112	Σ 2480	L 36082	6 51	26 3	24.3	14.56	7.2...10.5	1829.66	Σ 2	*7.2 wh.*
9113	H 2857	....	7 2	41 35	211.2	15±	9–10...13	1830+	H	
9114	Se 2	W^2 XIX^h. 187	7 5	38 35	234.3	3.83	8.0... 8.0	1830.45	Σ 3	A and BC AB=Σ 2481
					95.5	0.40	... 9.0	1858.22	Se 2	B and C
9115	Cordoba	Cord. G. C. 26344	7 11	−27 31	328.3	1.99	7.6... 8.4	1897.71	See 1	
9116	β 139	*Aquilae* 59	7 12	16 39	139.5	0.72	6.7... 8.0	1875.88	Δ 6	A and B
					288.3	120.76	... 7.5	1874.96	Δ 3	AB and C
9117	Ho 445	DM (24°) 3673	7 27	24 23	244.5	4.78	9.2...10.3	1893.67	Ho 3	
9118	H 879	21 *Aquilae*	7 39	2 5	295±	25±	6 ...19	1820+	H	
9119	β 422	O. Arg. S. 19281	7 43	−18 16	44.6	12.40	8.2...11.8	1891.57	β 3	
9120	A 264	W^2 XIX^h. 193	7 43	24 23	289.5	2.79	8.0...13.5	1901.35	A 3	A and B
					58.3	8.69	7.5...12	1843.63	Ma 1	A and C
					112.0	3.36	....	1901.35	A 1	A and D
					118.8	5.38	15.5...16.0	1901.35	A 1	D and E
9121	A 98	SD (8°) 4900	7 43	− 8 55	55.2	1.20	11.0...11.1	1900.43	A 2	B and C (*A. N.* 3668)
					127.7	28.81	6.9...	1900.42	A 1	A and BC
9122	H 1375	....	7 43	28 0	91.0	12±	10 ...11	1828+	H	
9123	Σ 2483	W^2 XIX^h. 196	7 44	30 9	319.0	9.67	7.2... 8.3	1831.11	Σ 3	A and B *White*
					237.0	71.12	... 8.5	1831.85	Σ 2	A and C
9124	Σ 2482	DM (18°) 3985	7 46	18 56	350.8	2.02	8.5... 9.8	1830.40	Σ 3	*8.5 wh.*
9125	A 591	A. G. Bonn 12697	7 58	42 3	289.2	4.38	9.0...14.5	1903.57	A 3	(*Bul. L. O.* No. 50)
9126	A 153	A. G. Berlin 6898	8 0	21 42	282.3	0.81	8.0...11.2	1900.59	A 3	
9127	Ho 573	DM (19°) 3946	8 2	19 21	124.7	7.03	9 ... 9.5	1897.03	Ho 3	(*A. N.* 3557)
9128	Howe 46	O. Arg. S. 19295	8 9	−16 11	159.3	5.08	8.2... 8.7	1879.63	Cin 2	
9129	A 154	A. G. Berlin 6900	8 18	23 11	353.9	1.02	8.8... 9.9	1900.59	A 4	A and B
					148.0	7.36	...13.5	1900.60	A 1	A and C
9130	Hu 335	DM (19°) 3949	8 20	20 0	222.3	0.49	7.3...11.0	1901.61	Hu 3	(*Bul. L. O.* No. 12)
9131	Ho 101	DM (30°) 3471	8 38	30 48	113.0	1.89	9.3...10.0	1881.89	Ho 4	
9132	H 2858	....	8 46	22 38	257.6	6±	10–11..15	1830+	H	
9133	H 2859	DM (22°) 3629	8 48	22 40	19.0	4±	10–11..15	1830+	H	
9134	OΣ 369	Rad^1. 4235	8 49	71 53	43.3	0.74	7.0... 7.3	1848.10	OΣ 3	
9135	H 1377	L 36224	8 51	47 10	357.0	30±	7 ...16	1828+	H	
9136	Σ 2484	W^2 XIX^h. 222	8 59	18 52	218.4	2.50	7.4... 8.9	1831.76	Σ 5	*7.4 yel'sh wh.*
9137	Σ 2486	*Cygni* 6	9 0	49 37	224.8	10.46	6.0... 6.5	1832.46	Σ 3	
9138	H 5101	O. Arg. S. 19310	9 2	−25 33	311.5	20±	8½... 9	1837.2	H	
9139	H 1376	W^2 XIX^h. 224	9 4	15 10	120.4	6±	8 ...12	1828+	H	
9140	Σ 2485 *rej.*	W^2 XIX^h. 234	19 9 9	22 56	....	Cl. III	8 ...11	....	Σ	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9141	**Sh 289**	**W^2 XIX^h.** 253	$19^h\ 9^m\ 24^s$	38°50′	57°.7	40″.39	9 ...10	1823.46	Sh 2	
9142	**H 1380**	....	9 30	47 33	225.9	4±	9–10...11	1828+	H	
9143	**A 265**	**DM** (28°) 3249	9 32	28 29	17.6	0.75	10.0...10.2	1901.61	A 2	
9144	**Σ 2487**	*η Lyrae*	9 40	38 56	84.9	27.89	4.0... 8.1	1830.86	Σ 5	*Blue: ash*
9145	**Hu 262**	**SD** (17°) 5552	9 44	−18 1	359.2	1.85	9.0... 9.2	1900.54	Hu 3	(*A. J.* 494)
9146	**OΣ 366** *rej.*	**L** 36242	9 48	34 0	230.6	21.84	7.2... 9.8	1866.55	Δ 3	7.2 *wh.*
9147	**A 99**	**SD** (9°) 5067	9 49	− 9 38	67.1	1.96	10.0...10.0	1900.49	A 3	(*A. N.* 3668)
9148	**A 266**	**A. G. Berlin** 6914	9 51	24 20	21.5	1.27	8.7...14.0	1901.39	A 3	
9149	**OΣ (App) 178**	**L** 36207	9 52	14 53	267.8	89.65	5.5... 7.5	1875.61	Δ 4	
9150	**Hn 34**	**Rad^1.** 4234	9 55	55 6	271.2	3.30	8.5... 9.1	1881.46	β 3	
9151	**H 1379**	....	10 0	31 25	310.3	5±	10–11...12	1828+	H	
9152	**β 975**	**L** 36263	10 4	34 21	221.8	0.77	7.4... 9.4	1880.59	β 3	B and C } AB = OΣ 367 *rej.*
					228.1	33.57	6.8... 9.3	1866.86	Δ 3	A and BC
9153	**Arg. 34**	**O. Arg. N.** 19082	10 7	63 2	....	....	8 ...	....	....	
9154	**β 140**	**L** 36185	10 12	−11 11	209.3	7.18	11.0...11.2	1891.56	β [illegible]	B and C
					326.9	36.87	7.6...	1891.55	β 3	A and B
9155	**Σ 2488**	**DM** (19°) 3961	10 15	19 49	318.5	1.29	8.5... 9.7	1829.04	Σ 3	
9156	**H 880**	....	10 18	4 25	130±	3±	12 ...12	1820+	H	
9157	**OΣ 368**	**W^2 XIX^h.** 279	10 37	15 57	217.5	0.81	7.3... 8.5	1850.40	OΣ 6	A and B
					98.2	17.37	....	1878.63	β 1	AB and C
9158	**H 2860**	**SD** (11°) 4934	10 39	−11 47	102.8	15±	10 ...10	1830+	H	
9159	**H 2861**	**DM** (7°) 4074	10 40	7 0	57.3	10±	10 ...13	1830+	H	
9160	**Ku 57**	**DM** (15°) 3748	10 47	15 21	230.9	9.91	9.4...10.1	1901.57	Ku 2	Kustner (3821)
9161	**S 715**	**L** 36205	10 47	−16 10	15.5	9.17	8.5... 9	1825.56	S 3	
9162	**Hu 263**	**SD** (15°) 5302	10 49	−15 11	19.0	2.20	9.0...12.0	1900.72	Hu 2	(*A. J.* 494)
9163	**A 100**	**SD** (3°) 4548	10 52	− 3 35	0.9	0.79	8.9...10.2	1900.47	A 3	(*A. N.* 3668)
9164	**Σ 2489**	*Aquilae* 71	10 57	14 20	349.3	8.17	6.5... 9.5	1828.72	Σ 3	6.5 *wh.*
9165	**H 1378**	....	11 3	−20 41	65.0	5±	12 ...13	1828+	H	
9166	**H 2862**	1 *Vulpeculae*	11 3	21 11	10.6	25±	5–6...17	1830+	H	
9167	**OΣ 371**	**L** 36293	11 7	27 15	154.1	0.81	6.8... 6.9	1846.50	OΣ 6	A and B
					267.9	47.81	... 9.0	1851.75	OΣ 1	AB and C
9168	**H̥ V. 77**	*Sagittarii* 214	11 10	−19 5	168.7	36.05	....	1783.62	H̥ 1	
9169	**A 363**	**A. G. Leip. II.** 9140	11 11	7 11	174.2	1.84	8.6...13.5	1902.60	A 3	(*Bul. L. O.* No. 29)
9170	**S 716**	**O. Arg. S.** 19357	11 12	−16 10	199.1	6.28	10 ...10½	1825.55	S 3	
9171	**OΣ 370**	**P XIX^h.** 49	11 19	9 8	14.6	19.65	7.5... 8.2	1846.83	OΣ 3	*Reddish: bluish*
9172	**Ho 447**	....	11 22	27 43	181.0	1.14	9.5... 9.5	1893.80	Ho 2	
9173	**Σ 2491**	**DM** (28°) 3268	11 24	28 4	206.6	1.09	7.9... 9.2	1828.77	Σ 4	
9174	**Hu 264**	**SD** (16°) 5260	11 25	−16 3	289.8	4.46	8.4...13.5	1900.64	Hu 2	(*A. J.* 494)
9175	**A 155**	**DM** (38°) 3506	11 38	38 29	84.3	4.36	8.1...13.9	1901.30	A 3	
9176	**A 156**	**A. G. Berlin** 6928	11 39	24 4	80.1	0.42	7.9... 8.1	1900.59	A 4	
9177	**Σ 2490**	**SD** (3°) 4553	11 42	− 3 41	249.2	3.24	8.5...10.7	1828.07	Σ 3	8.5 *yel'sh*
9178	**H 881**	*Schj.* 7257	11 43	− 5 38	340±	30±	7 ...	1820+	H	A and B } =Ho 574
					310±	3±	11 ...12	1820+	H	B and C
9179	**H 5508**	**L** 36281	11 46	− 1 10	100±	10±	9 ...16½	1827.5	H	
9180	**Hu 336**	**DM** (18°) 4017	11 57	18 40	199.8	1.49	8.9... 9.2	1901.60	Hu 3	(*Bul. L. O.* No. 12)
9181	**H 5509**	**DM** (8°) 4035	11 59	8 34	100±	10?	11 ...11	1823+	H	
9182	**A 157**	**DM** (37°) 3397	12 2	37 10	149.7	1.43	9.1... 9.4	1901.30	A 3	
9183	**A. G. 228**	**DM** (62°) 1695	12 4	63 0	102.3	37.11	9.0... 9.1	1902.47	β 2	
9184	**H 2863**	**B. A. C.** 6590	12 10	−15 44	14.6	15±	6 ...15	1830+	H	
9185	**Σ 2496**	*Cygni* 9	12 10	49 52	77.6	2.44	7.0...10.8	1832.17	Σ 3	7.0 *very yel.*
9186	**Sh 292**	*θ Lyrae*	12 12	37 55	72.1	101.66	4 ...10–12	1823.67	Sh 3	
9187	**Ho 102**	**W^2 XIX^h.** 338	12 13	32 55	345.0	86.10	7.0...	1884.82	Ho 1	A and BC
					236.6	1.89	10 ...10	1884.82	Ho 2	B and C
9188	**Ho 575**	**L** 36305	12 23	− 5 59	10.3	5.70	8 ...12	1894.73	Ho 2	(*A. N.* 3557)
9189	**Σ 2492**	23 *Aquilae*	12 26	0 52	11.1	3.38	5.5... 9.5	1830.20	Σ 4	*Yel.: blue*
9190	**A 158**	**DM** (38°) 3512	19 12 28	38 58	290.5	3.42	8.3...12.3	1901.30	A 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9191	Ho 103	SD (3°) 4558	$19^h\ 12^m\ 33^s$	− 3°40′	248°.4	2″.59	9.2... 9.2	1885.19	Ho 2	
9192	β 1256	W^1 XIX^h. 265	12 36	6 7	37.1	0.64	8.3... 8.3	1891.56	β 3	
9193	A 267	A. G. Camb. 9789	12 38	26 25	167.3	0.42	9.2... 9.6	1901.50	A 3	
9194	β 248	2 *Vulpeculae*	12 39	22 49	125.0	1.86	5.7... 9.5	1876.11	Δ 6	
9195	Σ 40, App. I	24 *Aquilae*	12 40	0 8	136.1	423.08	6.0... 6.2	1835.65	Σ 5	*Wh.: yel.*
9196	Espin —	DM (59°) 1979	12 52	59 33	116.3	7.4	9.0...11.6	1903	Es	(*M. N.* LXIV, 238)
9197	H 266	....	13 8:	− 1 47:	265±	5±	12 ...13	1820+	H	(See p. 1081)
9198	H 2864	DM (3°) 3973	13 13	3 48	217.4	20±	9 ...13–14	1830+	H	
9199	Espin —	DM (59°) 1981	13 20	59 33	113.7	8.1	8.8...11.7	1903	Es	(See p. 1081) (*M. N.* LXIV, 238)
9200	Espin 128	DM (46°) 2659	13 24	46 58	281.6	4.7	8.4...11.5	1902	Es 2	(*M. N.* LXIII, 172)
9201	Σ 2499	W^2 XIX^h. 365	13 25	21 44	324.9	2.56	8.1... 8.4	1831.05	Σ 4	*Very wh.*
9202	H 1382	....	13 27	47 47	308.5	6±	10 ...11–12	1828+	H	
9203	Hu 337	DM (17°) 3924	13 28	17 23	68.6	0.27	8.6... 9.0	1901.51	Hu 3	(*Bul. L. O.* No. 12)
9204	Σ 2494 *rej.*	SD (6°) 5103	13 36	− 6 51	76.2	26.59	7–8...9–10	1848.65	Mh 1	
9205	Hu 72	SD (10°) 5035	13 47	−10 47	61.9	1.12	7.3...12.5	1899.61	Hu 1	(*A. J.* 480)
9206	H 1384	DM (55°) 2175	14 0	55 55	146.0	4±	11 = 11	1828+	H	"Neat"
9207	S 717	28 *Aquilae*	14 3	12 9	175.1	59.28	6 ...12	1825.04	S 2	B *blue*
9208	Σ 2497	DM (5°) 4115	14 7	5 22	358.0	29.98	6.9... 8.0	1830.01	Σ 4	*Yel'sh: wh.*
9209	A 101	SD (6°) 5107	14 8	− 6 17	37.1	3.08	8.6...10.7	1900.50	A 3	(*A. N.* 3668)
9210	Σ 2500 *rej.*	DM (19°) 3976	14 11	19 30	23.0	18±	8–9...11	1830+	H	
9211	Σ 2498	DM (3°) 3978	14 12	3 49	66.7	12.16	7.2... 7.8	1827.13	Σ 3	*Yel.: purplish*
9212	H 882	....	14 13	10 23	305±	6±	11 ...11+	1820+	H	
9213	β 360	DM (34°) 3494	14 19	35 0	72.2	6.27	8.4...10.0	1876.61	Δ 4	A and B
					343.4	36.57	...10.6	1876.61	Δ 4	A and C
9214	Σ 2508	DM (67°) 1132	14 24	67 39	117.7	17.65	8.7... 9.0	1832.40	Σ 3	*White*
9215	H 597	....	14 29	−12 34	225±	12±	11 = 11	1820+	H	
9216	♅ VI. 120	*Sagittarii* 226	14 35	−19 27	319.0	....	....	1783.62	♅ 1	
9217	H 2865	....	14 35	22 8	230.8	12±	10 ...11	1830+	H	
9218	H 1383	....	14 36	31 20	110.2	6±	10–11=10–11	1828+	H	
9219	Howe 47	L 36414	14 38	2 43	334.0	0.39	8.2... 8.3	1890.56	β 3	
9220	Ho 272	SD (17°) 5598	14 46	−17 28	38.4	6.74	7.5...12.0	1888.70	Ho 2	
9221	Ho 576	DM (6°) 4099	14 46	6 25	180.9	3.56	7.0...10.7	1894.71	Ho 2	
9222	Σ 2502	W^2 XIX^h. 419	14 53	39 3	205.8	1.83	8.2...10.2	1831.07	Σ 3	
9223	OΣ (App) 180	L 36460	15 11	14 12	266.3	80.22	7.2... 8.2	1874.98	Δ 3	
9224	Ho 577	....	15 12	54 9	266.8	3.20	9.5...11	1897.55	Ho 3	A and B (*A. N.* 3557)
					40.0	13.58	... 9.5	1897.55	Ho 2	A and C
9225	OΣ (App) 181	L 36483	15 15	26 26	5.0	54.54	6.2... 6.3	1875.33	Δ 3	*Red: blue*
9226	Hn 149	SD (18°) 5330	15 16	−18 37	184.7	1.29	10.1...10.2	1888.76	Com 3	
9227	Hu 265	SD (17°) 5601	15 24	−17 33	89.9	0.94	9.3... 9.6	1900.62	Hu 3	(*A. J.* 494)
9228	H 883	....	15 28	3 59	300±	8±	11 ...13	1820+	H	
9229	H 884	DM (9°) 4075	15 28	9 36	310±	40±	9 ...	1820+	H	A and BC
					235±	5±	16 ...16	1820+	H	B and C
9230	Σ 2505	DM (35°) 3573	15 32	35 19	314.9	9.93	8.0... 8.7	1831.82	Σ 2	*Yel.: blue*
9231	A 102	SD (7°) 4913	15 40	− 7 49	37.4	0.43	9.0... 9.0	1900.49	A 3	A and B
					125.4	4.91	8.0...12.2	1885.13	Ho 2	AB and C
9232	Σ 2501	L 36452	15 42	− 4 58	21.0	19.65	7.3... 8.8	1829.62	Σ 3	7.3 *wh.*
9233	Σ 2504	W^2 XIX^h. 431	15 42	18 55	288.3	8.92	6.4... 8.1	1830.52	Σ 5	*Yel'sh wh.: bluish*
9234	H 1386	....	15 42	45 48	327.8	6±	10–11..10–11	1828+	H	
9235	Σ 2509	P XIX^h. 108	15 43	62 59	353.0	0.52	7.0... 8.1	1832.30	Σ 4	*Yel'sh*
9236	H 1385	....	15 46	43 49	205.3	3±	11 ...16	1828+	H	"Difficult"
9237	Hu 338	DM (17°) 3935	15 47	17 28	109.4	0.31	9.4... 9.4	1901.51	Hu 3	(*Bul. L. O.* No. 12)
9238	H 2868	....	15 50	57 55	109.2	7±	11 ...11–12	1830+	H	
9239	Hn 150	L 36456	15 56	−11 51	110±	1.5±	9.8...11.5	....	Hn	A and B
					150±	20±	...12	....	Hn	A and C
9240	Howe 48	O. Arg. S. 19458	15 56	−18 13	81.8	2.56	9.0... 9.3	1880.51	Cin 2	
9241	♅ V. 31	....	19 15 56:	2 58:	....	30±	....	1781.54	♅ 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9242	A. G. 229	DM (8°) 4055, 4056	$19^h\ 15^m\ 56^s$	8° 58′	168°6	25′65	8.2... 8.7	1898.51	So 1	Sola′ (3529)
9243	Σ 2507	DM (44°) 3107	16 2	44 9	150.4	20.10	...10.9	1865.09	Δ 4	A and B
					136.7	23.86	8.2... 9.3	1831.67	Σ 3	A and C 8.2 *wh.*
					101.3	6.46	....	1865.08	Δ 2	B and C
9244	Σ 2503	SD (7°) 4918	16 14	− 7 21	280.2	2.55	8.3... 9.3	1829.41	Σ 3	
9245	Σ 2506 *rej.*	DM (14°) 3888	16 14	14 8	350.9	16.33	8 ... 8	1843.60	Ma 1	
9246	H 5110	Cord.DM (29°) 16082	16 19	−29 53	121.0	5±	9½...10	1837.5	H	
9247	H 2866	O. Arg. S. 19469	16 27	−18 14	52.1	18±	9 = 9	1830+	H	A and B
					140.0	18±	... 9	1830+	H	B and C
9248	Σ 3131	DM (38°) 3547	16 29	38 57	306.1	9.34	8.5...10.5	1832.93	Σ 2	
9249	Hu 266	SD (16°) 5291	16 35	−16 44	189.3	4.26	8.8...12.5	1900.66	Hu 2	(*A. J.* 494)
9250	Hu 73	SD (10°) 5058	16 39	−10 14	223.3	1.03	9.0...10.2	1899.69	Hu 4	(*A. J.* 480)
9251	Σ 2514	DM (67°) 1135	16 49	67 28	277.0	7.39	9.0...11.3	1832.67	Σ 3	9.0 *yel'sh*
9252	Ho 105	W^2 XIX^h. 462	16 49	16 26	188.4	2.59	8.5...10.0	1883.69	Ho 2	
9253	β 141	L 36553	16 50	22 17	80.6	0.71	7.5... 9.1	1875.97	Δ 6	A and B
					335.2	26.53	...11.5	1875.27	Δ 1	AB and C
					177.2	4.90	...12.7	1898.59	A 3	C and D
					90.5	50.75	...11.0	1877.78	Δ 1	AB and E
					214.4	50.22	...12.5	1898.64	A 1	AB and F
9254	H 1388	DM (29°) 3567	16 51	29 58	214.5	14±	9–10...12	1828+	H	8.8 m. in DM
9255	Hn 35	SD (18°) 5342	16 52	−18 44	191.2	1.40	8.8... 9.0	1881.65	β 3	(=Hn 151)
9256	A 268	A. G. Camb. 9864	16 57	30 4	102.1	3.47	8.8...12.3	1901.67	A 3	
9257	A 103	SD (4°) 4793	17 12	− 4 38	2.4	3.23	9.1... 9.5	1900.50	A 3	(*A. N.* 3668)
9258	H 1389	....	17 15	30 37	102.0	5±	14 = 14	1828+	H	
9259	Σ 2511 *rej.*	DM (50°) 2784	17 24	50 7	....	III–IV	7 ...10	....	Σ	
9260	H 5113	Lac. 8098	17 30	−29 32	121.9	25±	6 ...11½	1837.48	H	
9261	H 1390	....	17 31	30 40	102.5	10±	10–11..11	1828+	H	
9262	Σ 2510	W^1 XIX^h. 393	17 34	9 17	181.7	8.75	8.5... 8.5	1829.05	Σ 3	*Very wh.*
9263	H 2869	....	17 42	42 0	3.3	3±	13 = 13	1830+	H	
9264	Lewis 28	....	18 :	22 17:	281.3	0.78	9.0...10.0	1901.64	L 1	(*M. N.* LXII, 396)
9265	Glasenapp 8	SD (14°) 5425	18 2	−14 52	69.2	23.99	8.3... 9.4	1890.54	Gla 2	
9266	H 886	....	18 5	21 55	40±	3±	12 ...13	1820+	H	"In cluster"
9267	Σ 2512	DM (31°) 3567	18 5	31 30	311.8	21.98	7.5... 9.8	1832.46	Σ 3	7.5 *yel'sh wh.*
9268	Hu 74	SD (12°) 5390	18 11	−12 4	86.3	1.57	8.0...12.0	1899.68	Hu 2	
9269	H 885	....	18 20	2 51	135±	3–4	13 ...14	1820+	H	
9270	H 1391	DM (40°) 3689	18 24	40 46	81.4	12±	9–10...11	1828+	H	8.5 m. in DM
9271	A 104	SD (4°) 4803	18 30	− 4 44	52.2	4.74	8.5...14.0	1900.54	A 3	(*A. N.* 3668)
9272	A 592	A. G. Bonn 12907	18 31	41 52	217.3	0.27	8.8... 9.8	1903.85	A 2	(*Bul L. O.* No. 50)
9273	H 1392	....	18 33	46 13	233.1	3±	12 = 12	1828+	H	
9274	Σ 2516	O. Arg. N. 19199	18 44	55 36	235.3	3.90	7.8... 9.5	1831.67	Σ 3	7.8 *yel.*
9275	H VI. 47	L 36616	18 49	1 36	....	....	....	1781	H	
9276	β 1129	Groom. 2829	18 51	52 9	344.3	0.34	6.3... 6.3	1889.48	β 3	
9277	Σ 41, App. I	2 and 3 *Sagittae*	18 59	16 42	78.9	336.19	5.9... 6.7	1835.68	Σ 6	*Very wh.*
9278	H 1393	....	19 4	47 9	121.0	5±	11 ...12	1828+	H	
9279	Σ 2513	DM (2°) 3877	19 8	2 13	313.0	2.23	8.2... 8.8	1829.06	Σ 3	*Yel'sh wh.*
9280	A. G. 230	A. G. Leiden 7318	19 9	31 4	68.2	5.00	9.1... 9.5	1903.50	β 2	
9281	See 375	O. Arg. S. 19529	19 19	−26 33	166.6	12.57	7.1...12.2	1897.63	See 1	
9282	Σ 2515	DM (21°) 3768	19 23	21 17	18.3	18.74	8.0 ...9.0	1829.20	Σ 2	8.0 *very wh.*
9283	A 364	A. G. Leip. II. 9225	19 28	7 25	50.4	1.18	8.6...11.2	1902.60	A 2	(*Bul. L. O.* No. 29)
9284	Espin 80	DM (32°) 3418	19 32	32 55	187.1	3.8	8.6... 9.0	1901	Es	(*A. N.* 3784)
9285	Schj. 21	DM (4°) 4096	19 33	4 36	214.1	41.21	8.2... 9.2	1901.65	β 2	
9286	H 2870	....	19 40	39 28	168.2	8±	11 = 11	1830+	H	A and B
					103.4	5±	...13	1830+	H	B and C
9287	Σ 2517 *rej.*	DM (22°) 3687	19 40	22 32	138.5	15.86	8.7... 9.7	1901.67	β 2	
9288	Ho 448	W^2 XIX^h. 553	19 41	23 23	358.9	7.66	8 ...11	1890.98	Ho 3	
9289	Hu 339	DM (18°) 4063	19 19 45	18 25	44.5	0.53	8.6... 8.6	1901.53	Hu 3	(*Bul. L. O.* No. 12)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9290	A 365	A. G. Leip. II. 9229	19^h 19^m 47^s	7°44′	155°8	1″26	8.5...12.2	1902.60	A 3	(*Bul. L. O.* No. 29)
9291	OΣ 372	Rad$^{\text{I}}$. 4305	19 48	46 58	57.2	79.44	7.0... 8.8	1849.67	OΣ 2	A and B
					293.6	3.38	...10.5	1847.46	OΣ 4	B and C
9292	Σ 3111	DM (21°) 3772	19 57	21 36	120.1	2.54	9.0... 9.3	1832.49	Σ 3	
9293	O. Stone 46	....	20 :	−16 11:	195.4	4.84	6.8... 7.3	1880.62	Cin 1	
9294	H 2871	4 *Vulpeculae*	20 12	19 34	110.4	30±	6 ...12	1830+	H	
9295	Espin —	DM (64°) 1346	20 14	64 19	216.3	4.4	8.8... 9.9	1903	Es	(*M. N.* LXIV, 238)
9296	β 423	O. Arg. S. 19560	20 18	−29 44	122.3	1.25	7.5... 8.5	1878.63	Cin 2	
9297	H VI. 48	L 36659	20 18	1 33	....	....	....	1781	H	
9298	Σ 2518	L 36696	20 18	14 22	0.7	4.97	8.0...10.9	1829.93	Σ 4	8.0 *wh.*
9299	....	ν *Aquilae*	20 23	0 6	288.0	200.62	5.0... 9.2	1901.42	β 2	
9300	....	3 *Cygni*	20 28	24 42	122.8	27.91	6.4...10.8	1866.72	OΣ 1	
9301	OΣ 373	Rad$^{\text{I}}$. 4312	20 34	46 12	232.4	1.84	7.3...10.2	1847.39	OΣ 3	
9302	Σ 2526	DM (56°) 2238	20 36	56 47	84.3	17.38	7.2...11.0	1830.85	Σ 2	7.2 *yel'sh*
9303	H 1394	DM (34°) 3536	20 45	34 57	41.0	10±	10 ...11	1828+	H	
9304	H 1395	DM (36°) 3549	20 52	36 53	65.1	1½	10 = 10	1828+	H	
9305	Σ 2522	*Cygni* 18	21 1	28 31	339.2	4.39	7.5... 9.0	1830.44	Σ 3	7.5 *wh.*
9306	H 5119	O. Arg. S. 19581	21 7	−26 15	290.4	3±	9½... 9½	1837.2	H	
9307	Σ 2520	W^1 XIX^h. 485	21 14	12 38	234.9	2.02	8.8... 9.3	1829.41	Σ 3	*White*
9308	Σ 2521	P XIX^h. 128	21 14	19 39	43.6	22.65	5.5...10.3	1829.40	Σ 3	5.5 *very golden*
9309	Hd Zones	DM (0°) 4209	21 14	0 52	....	....	10–11..	....	Hd	
9310	H 1397	....	21 26	33 24	152.2	3±	12 ...12	1828+	H	
9311	H 1398	....	21 26	33 26	161.0	6±	10–11..12	1828+	H	
9312	H 1396	....	21 29	30 14	89.0	5±	12 ...12	1828+	H	
9313	Schj. 22	*Aquilae* 106	21 30	−12 23	317.7	1.37	7.9... 8.2	1874.08	Δ 5	= β 142
9314	H 1399	....	21 31	33 25	204.8	14±	10 ...11	1828+	H	
9315	Σ 2523	DM (20°) 4139	21 37	20 55	151.5	6.21	7.3... 7.4	1830.96	Σ 5	*Very white*
9316	Σ 2519	W^1 XIX^h. 483	21 39	− 9 47	124.2	11.18	8.0... 8.1	1833.40	Σ 5	*Very white*
9317	β 1286	W^2 XIX^h. 629	21 39	35 41	67.4	1.59	9.3...12.5	1899.48	β 3	B and C
					118.5	5.90	8.6...	1899.48	β 3	A and B
9318	Σ 2524	W^2 XIX^h. 623	21 39	25 15	104.6	7.16	8.3... 8.5	1829.76	Σ 3	*White*
9319	Σ 2525	*Cygni* 22	21 40	27 5	255.9	1.33	7.4... 7.6	1830.43	Σ 5	*Yel'sh*
9320	Ho 449	DM (27°) 3390	21 41	27 8	183.7	12.54	9.0...12.3	1892.63	Ho 2	
9321	H 5120	O. Arg. S. 19598	21 49	−29 57	171.7	2±	8 ...11	1837.2	H	
9322	H 1400	....	21 49	45 37	203.4	5±	11 = 11	1828+	H	"Isolated among many"
9323	Ho 106	W^1 XIX^h. 494	21 54	− 3 17	214.5	1.08	9 ...11	1883.76	Ho 2	
9324	Ho 450	W^2 XIX^h. 642	21 57	38 34	271.8	0.76	8.0... 8.7	1892.07	Ho 2	A and B
					73.0	29.58	...12.2	1892.58	Ho 1	AB and C
9325	Ho 451	....	22 1	27 38	301.1	3.65	9.3...11.0	1892.64	Ho 3	
9326	Σ 2528	DM (32°) 3434	22 5	32 6	243.8	14.32	8.0...10.0	1831.72	Σ 2	8.0 *yel'sh wh.*
9327	A 159	DM (20°) 4146	22 8	20 26	335.0	0.78	8.4...11.7	1900.65	A 3	A and B AC =
					20.5	4.32	8.2... 9.7	1830.11	Σ 3	AB and C Σ 2527
9328	H 2874	....	22 14	58 1	169.7	5±	10–11..11	1830+	H	
9329	H 5124	SD (17°) 5644	22 23	−17 57	95.5	4±	10 = 10	1836.5	H	
9330	H N. 119	B. A. C. 6666	22 27	−27 14	141.7	6±	6 ...10	1874.50	β 1	
9331	Espin 81	DM (39°) 3766	22 29	39 54	221.1	9.8	8.2...13.5	1901	Es	(*A. N.* 3784)
9332	H 1401	....	22 40	47 9	189.4	9±	11 ..11–12	1828+	H	
9333	Espin 82	DM (40°) 3728	22 41	40 5	174.8	2.6	8.9...10.5	1901	Es	(*A. N.* 3784)
9334	Σ 2529	DM (17°) 3975	22 43	17 24	296.6	6.47	8.1...10.1	1831.23	Σ 4	8.1 *yel'sh*
9335	H 887	L 36791	22 54	− 7 17	350±	20±	7 ...20	1820+	H	
9336	Hu 75	SD (12°) 5417	22 55	−12 54	202.3	0.49	7.5... 8.0	1899.66	Hu 3	(*A. J.* 480)
9337	Σ 3132	DM (19°) 4029	22 58	19 58	40.0	7.46	8.8...10.3	1830.27	Σ 3	
9338	H 2872	....	22 59	3 30	163.4	15±	10 ...11	1830+	H	A and B
					199.5	18±	...13	1830+	H	A and C
9339	H 2873	DM (7°) 4086	19 22 59	7 55	313.0	4±	10 ...12	1830+	H	A and B "An elegant triple
					198.3	9±	...12	1830+	H	A and C star" (See p. 1081)

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9340	Hu 340	DM (18°) 4092	$19^h 23^m 2^s$	18°14′	124°8	0″84	9.0... 9.3	1901.53	Hu 3	(*Bul. L. O.* No. 12)
9341	β 424	W^2 XIX^h. 676	23 5	35 49	38.0	2.76	8.7...10.1	1877.14	Δ 4	
9342	H IV. 33	....	23 9	0 0	....	21.98	....	1781.54	H 1	
9343	Σ 2530	DM (20°) 4153	23 9	20 5	157.7	5.43	8.6... 9.9	1829.66	Σ 4	
9344	Σ 2534	P XIX^h. 149	23 22	36 17	62.0	6.75	7.8... 8.0	1830.84	Σ 3	*Very wh.*
9345	A 593	A. G. Bonn 12998	23 24	42 53	355.6	0.73	9.0...10.5	1903.93	A 3	(*Bul. L. O.* No. 50)
9346	H 1402	....	23 26	45 13	90.0	8±	10 ...11	1828+	H	
9347	Σ 2531	DM (2°) 3899	23 29	2 51	29.8	31.37	7.8... 9.7	1830.40	Σ 3	7.8 *wh.*
9348	A 594	A. G. Bonn 13003	23 33	42 50	331.3	2.10	9.0... 9.6	1903.43	A 3	(*Bul. L. O.* No. 50)
9349	OΣ (App) 182	L 36926	23 37	49 54	307.3	71.79	6.7... 7.7	1874.62	Δ 3	
9350	Σ 42, App. I	6 and 8 *Vulpeculae*	23 43	24 25	27.7	396.19	4.4... 5.7	1835.90	Σ 5	*Very yel.: ashy yel.*
9351	A 160	A. G. Berlin 7048	23 45	22 50	52.4	0.47	8.5... 8.6	1900.59	A 3	
9352	Σ 2533	DM (−0°) 3762	23 54	− 0 42	212.2	23.16	7.2... 9.0	1831.95	Σ 3	7.2 *very wh.*
9353	A. G. 231	A. G. Berlin 7484	23 57	17 43	239.8	4.41	9.2... 9.5	1901.55	Hu 3	
9354	H 2876	....	24 7	22 31	90.0	10±	10 ...11	1830+	H	
9355	Σ 2532	P XIX^h. 144	24 9	2 39	5.0	34.90	6.0...10.2	1829.00	Σ 3	6.0 *golden*
9356	Hd Zones	DM (0°) 4231	24 11	0 47	....	....	9–10...	....	Hd	
9357	H 888	DM (8°) 4115	24 13	9 2	230±	4±	11 ...12	1820+	H	
9358	Ho 578	L 36868	24 28	− 6 45	110.6	21.46	7 ...12	1894.73	Ho 2	
9359	H 2875	SD (21°) 5421	24 26	−21 8	333.0	9±	10 ...10–11	1830+	H	
9360	H 889	DM (8°) 4116	24 29	9 3	....	....	....	1820+	H	
9361	See 381	O. Arg. S. 19662	24 46	−28 0	13.1	1.55	8.5... 8.7	1897.72	See 1	
9362	Σ 2614	DM (88°) 121	24 50:	88 8	253.0	1.26	8.8... 9.5	1833.25	Σ 3	
9363	H 1403	....	24 55	−21 27	332.3	5±	10–11..13	1828+	H	
9364	Hd 153	....	25 :	−27 4:	....	7±	7.5...10	1868.61	Hd	
9365	Δ 20	L 36902	25 1	− 2 22	69.5	1.20	...10.1	1869.74	Δ 6	A and B } AC = Σ 2535
					297.7	27.78	7.0...10.0	1831.54	Σ 2	AB and C
9366	A 366	A. G. Albany 6721	25 4	4 14	310.4	0.51	8.2...10.2	1902.62	A 3	(*Bul. L. O.* No. 29)
9367	Hn 152	O. Arg. S. 19672	25 4	−17 4	184.9	0.87	8.5... 9.5	1903.52	β 2	
9368	H 1404	DM (45°) 2905	25 14	46 3	129.3	4±	10 ...11	1828+	H	
9369	H 1408	....	25 24	48 50	252.8	5±	10 ...11	1828+	H	
9370	H 1405	DM (40°) 3753	25 25	40 37	50.0	10±	10 ...11	1828+	H	
9371	A 269	A. G. Camb. 10047	25 40	26 59	180.7	0.60	8.8... 9.5	1901.84	A 3	
9372	β 651	DM (27°) 3409	25 44	28 2	291.5	6.36	8.5...12.5	1878.47	β 1	
9373	H 1406	....	25 46	33 4	314.6	6±	11 = 11	1828+	H	A and B } "C is distant"
					312.2	....	...13	1828+	H	A and C
9374	Σ 43, App. I	β *Cygni*	25 53	27 42	55.7	34.29	3.0... 5.3	1832.18	Σ 5	*Yel.: blue*
9375	H 2878	DM (3°) 4053	25 54	3 30	71.7	18±	9–10...13	1830+	H	(See p. 1081)
9376	Ho 452	DM (12°) 3945	25 58	12 54	245.4	6.07	8.5...11.7	1891.63	Ho 2	A and B
					179.5	19.36	...12.7	1891.63	Ho 2	A and C
9377	Lewis 29	....	26 :	17 48:	341.0	11.30	10.5...11.0	1896.55	L 1	
9378	A 161	A. G. Berlin 7073	26 0	21 46	115.9	0.48	9.0... 9.4	1900.68	A 3	(*Bul. L. O.* No. 3; *A. N.* 3741)
9379	H 1407	....	26 0	29 13	276.3	5±	10 ...11	1828+	H	
9380	H 890	....	26 4	18 25	240±	6±	10 ...12	1820+	H	
9381	Σ 2536	DM (17°) 3992	26 16	17 32	35.5	1.95	8.0...11.0	1831.17	Σ 4	8.0 *yel.*
9382	β 650	L 36958	26 20	6 15	143.7	6.61	8.1...11.6	1891.49	β 2	A and B
					332.3	11.61	...13	1891.49	β 2	A and C
					254.5	26.63	...10	1891.49	β 2	A and D
9383	H 2877	Yar. 8663	26 24	−27 18	76.6	20±	8–9... 9	1830+	H	
9384	β 976	*Aquilae* 122	26 27	9 5	105.0	2.01	7.0...10.8	1880.59	β 4	
9385	H 2879	....	26 35	−20 30	324.5	10±	10–11..15	1830+	H	
9386	H 5128	L 36941	26 36	−18 52	112.7	30±	8 ...10	1836.5	H	A and B
					125.9	4±	...10+	1836.5	H	B and C
9387	β 143	L 37049	26 39	49 15	192.7	2.20	8.0... 9.1	1875.61	Δ 4	
9388	H 1409	DM (30°) 3609	26 47	30 51	358.0	9±	9–10...10	1828+	H	
9389	H 1411	....	19 26 55	53 49	90.0	15±	9–10...10–11	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9390	H 1410	....	19^h 27^m 0^s	40°35′	219°5	2″ ±	14 ...15	1828+	H	"Delicate"
9391	β 438	DM (36°) 3588	27 3	36 27	40.9	4.37	7.9...13	1879.46	β 1	A and B
					238.5	21.09	...13	1878.47	β 1	A and E
					245.2	53.04	8.2... 8.3	1830.85	Σ 2	A and C } ACD= Σ 2538
					52.5	6.08	... 8.7	1830.87	Σ 3	C and D
					247.4	46.81	....	1862.64	Δ 1	A and D
9392	A 367	A. G. Leip. II. 9329	27 4	5 30	336.2	0.53	8.7...10.0	1902.71	A 3	(*Bul. L. O.* No. 29)
9393	H 2880	O. Arg. S. 19716	27 5	−16 32	149.9	4±	10 = 10	1830+	H	(= Ho 273)
9394	β 652	P XIX^h. 169	27 16	28 1	328.6	4.33	...13	1878.97	β 2	A and B } AC= Σ 2539
					5.2	5.36	7.9... 9.7	1830.69	Σ 4	A and C
9395	Σ 2537	W^1 XIX^h. 643	27 18	− 4 26	130.0	19.11	8.3... 8.7	1829.60	Σ 3	*Yel'sh wh.: wh.*
9396	A 595	A. G. Bonn 13086	27 25	43 23	78.6	0.80	9.0...10.8	1903.82	A 3	*Orange red: dull blue* (*Bul. L. O.* No. 50)
9397	Ho 107	W^1 XIX^h. 652	27 26	− 0 32	106.2	6.21	8.0...11.5	1886.79	Ho 2	A and B
					185.6	25.98	...11.5	1893.70	Ho 1	A and C
9398	A 596	A. G. Bonn 13093	27 43	43 42	305.6	1.12	8.0...11.2	1903.43	A 3	(*Bul. L. O.* No. 50)
9399	OΣ 374 *rej.*	L 37102	27 51	49 57	298.7	18.43	7.2...10.7	1867.13	Δ 3	
9400	See 383	....	28 :	−19 28:	246.2	3.99	9 ...10.2	1897.79	See 1	
9401	Σ 2540	DM (20°) 4179	28 3	20 9	149.7	5.13	7.5... 9.0	1830.77	Σ 4	*Wh.: bluish*
9402	H 2881	....	28 11	−19 10	325.8	5±	10 ...11	1830+	H	
9403	Hu 341	....	28 13	18 25	120.2	2.17	9.3...12.0	1901.60	Hu 3	(*Bul. L. O.* No. 12)
9404	β 653	μ *Aquilae*	28 14	7 8	274.9	21.42	4.5...13	1878.62	β 1	A and B
					285.7	21.18	...13	1878.62	β 2	A and C
					195.7	5.06	...12.3	1891.43	β 2	B and C
9405	H 2882	W^1 XIX^h. 676	28 18	− 1 44	137.0	12±	9–10...11	1830+	H	
9406	See 384	Cord. G. C. 26821	28 26	−23 32	167.0	6.11	7.9...11.5	1897.66	See 1	
9407	H 1415	....	28 33	32 36	16.5	4±	11 ...13	1828+	H	A and B
					76.5	4±	...14	1828+	H	A and C
9408	A 585	DM (43°) 3276	28 43	43 43	295.3	1.65	9.0...13.8	1903.50	A 3	(*Bul. L. O.* No. 50)
9409	Ho 108	L 37108	28 47	33 13	45.9	0.43	8 ... 8	1885.21	Ho 2	
9410	H 1412	....	28 53	−21 6	332.2	6±	10 ...11	1828+	H	
9411	Σ 2542	O. Arg. N. 19365	29 4	52 44	254.1	11.31	8.2... 8.7	1830.85	Σ 2	*White*
9412	Σ 2550	DM (73°) 863	29 5	73 7	248.8	2.01	8.2... 8.2	1832.51	Σ 3	*White*
9413	H 1414	DM (35°) 3680	29 9	35 55	22.8	12±	10 ...11	1828+	H	"Neat." Double in A. G.
9414	H 1413	DM (32°) 3478	29 14	32 34	214.4	6±	10 ...10–11	1828+	H	
9415	OΣ 375	L 37101	29 16	17 52	138.3	0.59	7.2... 8.4	1847.28	OΣ 4	
9416	β 1130	9 *Vulpeculae*	29 19	19 31	31.3	9.53	5.5...14.0	1889.43	β 3	
9417	β 654	52 *Sagittarii*	29 24	−25 9	160.8	2.93	5.0...10.8	1878.57	β 3	
9418	A 270	A. G. Camb. 10112	29 26	25 19	112.6	1.18	8.6...12.0	1901.75	A 3	
9419	Ho 274	DM (16°) 3904	29 30	16 11	72.4	4.07	8.3...11.0	1887.68	Ho 1	
9420	A 271	DM (26°) 3590	29 31	26 5	120.2	0.47	9.7... 9.8	1901.65	A 3	
9421	Σ 2546 *rej.*	DM (66°) 1211	29 32	66 15	....	Cl. IV	8 ...11–12	....	Σ	
9422	A 105	SD (3°) 4642	29 36	− 3 19	335.5	2.34	8.5...10.7	1900.48	A 3	A and B
					215.1	2.13	10.6...11.0	1900.48	A 3	C and D } (*A. N.* 3668)
					185.3	53.50	....	1900.46	A 1	A and C
9423	Howe 49	DM (3°) 4079	29 36	3 12	25.9	6.69	8.0... 9.5	1879.54	Cin 1	A and B
					306.6	32.70	...10.0	1879.54	Cin 1	A and C
9424	β 53	DM (11°) 3902	29 48	11 11	246.8	1.40	9.5...10.2	1875.07	Δ 4	
9425	H 891	....	29 50	− 4 55	15±	3±	13 ...14	1820+	H	
9426	A 597	A. G. Bonn 13138	29 52	42 6	154.3	1.14	8.2...10.7	1903.83	A 3	(*Bul. L. O.* No. 50)
9427	β 655	DM (63°) 1533	29 55	63 3	332.6	1.93	7.7...12.5	1878.48	β 1	A and B
					291.3	21.12	7.7... 8.9	1832.24	Σ 4	A and C } ACD = Σ 2549
					278.8	47.48	... 7.7	1832.24	Σ 4	A and D
					89.0	26.88	....	1832.24	Σ 4	D and C
9428	H 1420	....	29 55	56 21	337.9	10±	10 ...11	1828+	H	
9429	See 385	SD (21°) 5451	19 29 56	−21 54	6.9	3.88	7.2...14.9	1897.65	See 1	A and B
					300.1	27.81	...11	1897.65	See 1	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9430	A 162	A. G. Berlin 7109	$19^h 29^m 56^s$	23°13′	144°6	0″21	8.2... 8.2	1900.66	A 3	
9431	H 1418	....	29 58	49 46	8.1	25±	9–10...10	1828+	H	
9432	Σ 2572 *rej.*	DM (83°) 552	30 :	83 13	....	Cl. IV	7 ...10	....	Σ	6.0 m. in DM
9433	H 1416	....	30 0	31 36	253.5	5±	10 ...11	1828+	H	
9434	Σ 2541	P XIX^h. 185	30 13	−10 42	340.0	2.84	8.2... 9.8	1831.01	Σ 3	8.2 *yel.*
9435	A. G. 232	A. G. Lund 8528	30 13	35 2	279.6	10.68	8.8... 9.0	1903.61	β 3	
9436	H 1419	....	30 13	47 51	37.6	3±	11 ...12	1828+	H	
9437	A 368	A. G. Camb. 10134	30 16	29 31	158.6	0.49	8.5... 8.8	1902.62	A 3	(*Bul. L. O.* No. 29)
9438	Espin 129	DM (53°) 2264	30 18	53 38	204.2	2.9	9.2...10.0	1902	Es 1	
9439	Σ 2543	L 37144	30 20	5 45	157.7	12.73	7.0... 9.9	1830.94	Σ 5	7.0 *yel.*
9440	β 1257	L 37156	30 27	10 50	175.5	3.72	6.8...13.2	1891.72	β 3	
9441	H 5133	Cord. DM (27°) 14144	30 35	−27 14	14.6	15±	9 ... 9½	1834.6	H	
9442	OΣ 376	L 37199	30 38	33 56	228.7	2.61	7.1... 9.8	1848.52	OΣ 6	
9443	A 163	A. G. Berlin 7173	30 40	23 0	233.4	0.30	9.3... 9.4	1900.65	A 4	
9444	♅ V. 104	DM (15°) 3877	30 55	15 37	106.3	....	....	1783.65	♅ 1	
9445	H 1417	....	30 59	−16 7	....	2±	12 = 12	1828+	H	
9446	A. G. 233	DM (24°) 3798	31 3	24 28	....	....	8.3...	....	....	
9447	....	L 37162	31 8	−10 15	286.8	82.01	7.5...	1903.43	β 3	A and B
					286.0	4.34	10.3...11.1	1903.43	β 3	B and C
9448	Σ 44, App. I	Rad^I. 4379	31 17	59 54	287.1	76.61	5.2... 7.2	1834.85	Σ 5	*Golden: blue*
9449	A. G. 234	A. G. Lund 8538	31 18	36 1	329.9	2.58	9.3... 9.4	1902.61	β 3	
9450	Σ 2544	DM (8°) 4163	31 19	8 3	218.4	1.14	7.8... 9.5	1828.99	Σ 3	A and B AC *wh.*
					239.2	16.12	... 8.5	1828.99	Σ 3	A and C
9451	Σ 2548	W^2 XIX^h. 943	31 28	24 44	100.8	9.26	8.0... 9.0	1830.73	Σ 2	*White*
9452	A 106	SD (5°) 5029	31 33	− 5 51	204.5	1.21	9.1... 9.2	1900.49	A 3	(*A. N.* 3668)
9453	H 1422	DM (54°) 2180	31 36	54 47	283.8	14±	10 ...11	1828+	H	
9454	Hu 342	DM (17°) 4029	31 44	17 7	255.1	4.69	9.0... 9.8	1901.60	Hu 3	(*Bul. L. O.* No. 12)
9455	β 761	Lac. 8174	31 45	−39 42	198.2	2.45	7.7...10.2	1889.42	β 3	
9456	Σ 2553	DM (61°) 1877	31 49	61 47	80.2	1.06	8.4... 9.2	1832.66	Σ 5	
9457	H 892	SD (8°) 5055	31 50	− 8 35	45±	15±	10 ...12	1820+	H	*Ruddy: purple*
9458	♅ VI. 26	*ε Sagittae*	31 51	16 12	81.5	91.87	....	1782.30	♅ 1	
9459	OΣ 377	DM (35°) 3703	31 53	35 23	51.2	0.88	8.4... 8.5	1842.68	OΣ 2	A and B
					154.4	25.32	... 9.2	1849.70	OΣ 3	AB and C
9460	Hu 679	DM (50°) 2819	31 54	50 22	262.1	0.33	8.2... 9.0	1904.37	Hu 3	(*Bul. L. O.* No. 57)
9461	OΣ (App) 187	Rad^I. 4382	31 55	46 10	287.0	63.42	7.2... 7.7	1875.04	Δ 2	A and B
					255.1	129.29	... 7.6	1875.04	Δ 2	A and C
					50.9	82.53	....	1875.04	Δ 2	B and C
9462	H 1421	DM (35°) 3704	31 58	35 20	229.0	12±	10 ...11	1828+	H	
9463	Σ 2554	O. Arg. N. 19437	32 5	60 1	197.3	18.81	7.9... 8.4	1832.88	Σ 5	*White*
9464	Σ 2545	L 37207	32 8	−10 26	315.2	3.53	6.2... 8.1	1829.11	Σ 5	*Wh.: blue*
9465	A 369	A. G. Leiden 7499	32 9	30 3	4.9	4.09	7.8...14.3	1902.70	A 3	(*Bul. L. O.* No. 29)
9466	β 249	L 37227	32 13	0 4	141.7	1.29	7.2... 9.3	1875.56	Δ 5	
9467	Σ 2551	DM (22°) 3746	32 16	22 33	41.6	6.76	9.0... 9.5	1829.74	Σ 3	
9468	S 722	L 37205	32 18	−17 11	237.3	10.67	8 ... 8½	1825.54	S 2	
9469	Σ 2547	L 37218	32 21	−10 37	332.3	20.70	7.7... 9.0	1830.02	Σ 3	*White*
9470	H 1423	9 *Cygni*	32 22	29 5	136.3	12±	7 ...15	1828+	H	
9471	A 107	SD (3°) 4665	32 30	− 3 50	261.1	0.28	9.0... 9.2	1900.53	A 3	
9472	A 598	A. G. Bonn 13188	32 30	41 8	202.8	1.09	9.2... 9.6	1903.80	A 3	(*Bul. L. O.* No. 50)
9473	OΣ 378	L 37297	32 30	40 44	283.8	1.29	7.2... 9.0	1846.05	OΣ 3	
9474	Σ 2552	W^2 XIX^h. 989	32 37	19 5	196.0	5.18	8.2... 9.0	1828.99	Σ 3	*Very wh.*
9475	See 389	53 *Sagittarii*	32 37	−23 42	331.9	0.16±	7 ... 7.5	1897.73	See 3	
9476	A 370	A. G. Leiden 7503	32 39	30 9	268.1	4.77	8.0...14.5	1902.62	A 3	
9477	H 1424	....	32 43	32 37	206.2	4±	11 ...11	1828+	H	
9478	A 164	A. G. Berlin 7159	32 45	22 33	210.2	0.38	7.5... 9.0	1900.64	A 3	
9479	H 2884	SD (18°) 5445	32 47	−18 44	118.8	15±	10 = 10	1830+	H	
9480	See 390	O. Arg. S. 19835	19 32 47	−21 16	83.7	15.30	7 ...13.7	1897.75	See 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9481	β 144	DM (30°) 3664	19^h 33^m 3^s	30° 5′	351°0	6″34	8.9... 8.9	1875.37	Δ 4	
9482	H 1425	....	33 6	32 38	239.5	5±	10 ...11	1828+	H	
9483	Ho 109	O. Arg. S. 19844	33 6	−15 7	115.0	10.92	7.0...13	1883.66	Ho 2	
9484	Ħ V. 51	....	33 6:	16 48:	....	32.80	....	1781.78	Ħ 2	*Red: blue*
9485	β 1131	*θ Cygni*	33 13	49 56	43.9	3.62	5.0...14.3	1889.37	β 3	A and B
					186.1	29.90	...11.0	1852.69	OΣ 1	A and C
9486	H 2886	*σ Aquilae*	33 15	5 7	329.5	40±	5–6...12	1830+	H	
9487	Σ 2555	DM (53°) 2270	33 19	53 6	279.6	1.76	8.5... 9.1	1833.24	Σ 4	*White*
9488	H 2885	Cord. DM (29°) 16424	33 26	−29 40	208.0	20±	9–10..10	1830+	H	
9489	OΣ 379 *rej.*	L 37335	33 30	33 37	87.6	24.60	7.2... 8.5	1866.91	Δ 3	7.2 *yel.*
9490	A 165	A. G. Berlin 7166	33 31	22 46	135.6	5.23	7.5...14.5	1900.69	A 3	
9491	Ho 110	DM (18°) 4174	33 35	18 25	76.8	2.04	9.5... 9.5	1886.22	Ho 2	
9492	H 1426	....	33 39	40 54	100.0	4±	12 ...13	1828+	H	
9493	H 893	DM (9°) 4197	33 46	9 56	195±	8±	10 ...10	1820+	H	
9494	H 2889	DM (59°) 2075	33 45	59 32	166.4	6±	10 ...11	1830+	H	
9495	H 1427	....	33 51	46 2	283.4	5±	11 ...11	1828+	H	
9496	H 599	54 *Sagittarii*	33 52	−16 34	285±	20±	5–6...14	1830+	H	A and B
					41.3	35±	...10	1830+	H	A and C
9497	Hd 154	....	34 ±	−15 ±	133.1	11.82	10 ...10	1868.67	Hd 1	
9498	Ħ N. 84	W^2 XIX^h. 1038	34 0	16 18	301.8	27.20	....	1796.59	Ħ 1	
9499	β 1287	....	34 5	−16 36	144.0	1.07	10 ...10	1899.44	β 1	
9500	Σ 2556	DM (21°) 3862	34 17	21 59	188.4	0.56	7.3... 7.8	1829.83	Σ 3	*White*
9501	β 977	L 37329	34 19	4 4	58.9	3.78	8.3...12.3	1880.70	β 3	
9502	See 391	Cord. DM (30°) 17293	34 25	−30 31	36.2	6.36	8.8...10.4	1896.76	See 2	
9503	H 894	DM (19°) 4110	34 32	19 28	113.5	7±	10 ...11	1820+	H	
9504	H 2888	45 *Aquilae*	34 33	− 0 54	354.5	30±	7 ...19	1830+	H	
9505	H 2887	SD (13°) 5443	34 34	−13 42	236.4	8±	10 ...11	1830+	H	
9506	H 1428	P XIX^h. 233	34 37	49 0	277.3	15±	7–8...13	1828+	H	A and B
					270.0	40±	...12	1828+	H	A and C
					275±	6±	...15	1828+	H	C and D
9507	Σ 2557	W^2 XIX^h. 1088	34 49	29 28	104.7	11.42	7.3... 9.8	1831.78	Σ 3	A and B (AC= β 54)
					303.4	20.95	...11.0	1878.47	β 1	A and C
9508	O. Stone 47	....	35 ±	37 55:	224.1	5.06	9.5...11.0	1879.61	Cin 1	
9509	Σ 2571	O. Arg. N. 19532	35 4	78 0	23.2	11.33	7.3... 8.0	1832.34	Σ 3	*Very wh.*
9510	A 166	A. G. Berlin 7183	35 5	23 14	235.4	0.67	9.0... 9.1	1900.63	A 3	
9511	A 272	A. G. Camb. 10251	35 12	25 55	195.6	0.88	9.0...10.2	1901.56	A 3	A and B
					307.2	14.44	....	1901.49	A 2	A and C
					8.6	0.98	9.0...14.0	1901.59	A 2	C and D
9512	Ho 111	L 37409	35 14	33 42	0.8	0.77	6.5...11	1885.19	Ho 2	
9513	H 1429	....	35 25	55 58	242.8	4±	11 ...11+	1828+	H	
9514	Σ 2558 *rej.*	DM (10°) 4020	35 26	10 24	....	Cl. IV	8 ...10	....	Σ	
9515	H 600	....	35 30:	2 38:	340±	....	10 ...11	1820+	H	
9516	Σ 2560 *rej.*	*Vulpeculae* 40	35 34	23 26	295.0	15.30	7.2... 9.5	1901.68	β 2	L 37406
9517	Espin —	DM (64°) 1364	35 34	64 47	19.3	8.9	8.5...10.5	1903	Es	(*M. N.* LXIV, 238) (See p. 1081)
9518	Ku 2	Groom. 2917	35 38	71 20	271.1	1.44	7.2... 9.2	1889.27	β 3	
9519	β 1288	55 *Sagittarii*	35 39	−16 24	....	0.2±	5.5... 5.5	1889.43	β	
9520	β 656	L 37475	35 48	51 33	257.6	0.50	8.0... 9.2	1878.17	β 3	
9521	Σ 2564	DM (63°) 1542	35 49	63 33	184.0	10.78	8.5...10.2	1832.28	Σ 2	8.5 *wh.*
9522	Σ 2561 *rej.*	L 37430	35 57	26 51	319.3	14±	8 ...11	1828+	H	
9523	Ho 112	DM (18°) 4197	36 9	18 21	80.8	2.64	9 ... 9	1885.61	Ho 1	
9524	β 145	L 37464	36 31	30 26	268.2	0.87	6.8... 9.5	1875.13	Δ 4	A and B
					32.6	8.51	...13.0	1878.43	β 1	AB and C
					157.3	26.67	...10.8	1878.43	β 1	AB and D
9525	Σ 45, App. I	*Aquilae* 151	36 33	− 8 35	146.7	96.52	6.5... 6.9	1835.31	Σ 6	*White*
9526	H 1431	DM (41°) 3445	36 36	41 12	340.6	12±	10 ...10	1828+	H	
9527	Howe 50	*Schj.* 7549	19 36 38	4 40	15.9	2.54	8.5... 9.0	1879.63	Cin 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9528	H 895	DM (0°) 4283	19^h 36^m 46^s	0° 58′	220° ±	7″ ±	9 ...15	1820+	H	A and B
					15 ±	18 ±	...10	1820+	H	A and C
9529	H 1430	....	36 49	32 56	157.2	12 ±	10 ...11	1828+	H	
9530	A 167	A. G. Berlin 7214	36 50	22 0	78.5	2.90	8.9...13.2	1900.55	A 2	
9531	OΣ 380	χ *Aquilae*	36 55	11 33	74.8	0.62	6.0... 7.2	1850.72	OΣ 8	*Yel.: yel'sh*
9532	See 393	O. Arg. S. 19901	36 57	−27 53	211.2	0.2 ±	8 ... 8	1897.72	See 1	
9533	Σ 2562	P XIX^h. 241	36 58	8 6	252.6	27.21	6.5... 8.2	1829.33	Σ 3	*Yel'sh wh.: ashy*
9534	H 2891	....	36 59	19 20	63.6	8 ±	10–11..11–12	1830+	H	
9535	OΣ 382	L 37472	37 0	27 6	353.7	0.48	7.1... 7.6	1849.84	OΣ 5	
9536	A 371	A. G. Leiden 7577	37 2	30 46	35.4	2.14	8.9...11.0	1902.60	A 3	(*Bul. L. O.* No. 29)
9537	Ho 579	L 37426	37 2	− 9 21	308.3	2.36	8.5... 9.5	1895.23	Ho 2	A and B (*A. N.* 3557)
					155.7	61.45	... 9.0	1895.73	Ho 1	A and C
9538	Σ 2563	DM (17°) 4055	37 5	17 9	284.5	6.00	8.3... 9.5	1830.38	Σ 3	8.3 *wh.*
9539	H 2892	DM (0°) 4290	37 23	0 24	92.0	12 ±	9 ...12	1830+	H	8.1 m. in DM (See p. 1081)
9540	OΣ 381 *rej.*	L 37463	37 23	3 53	7.5	15.79	7 ...11	1843.54	Ma 1	
9541	Hu 343	DM (16°) 3976	37 26	16 54	26.4	0.22	9.1... 9.5	1901.61	Hu 4	(*Bul. L. O.* No. 12)
9542	Hu 680	DM (35°) 3753	37 33	35 24	146.0	0.49	8.8...10.0	1903.21	Hu 3	(*Bul. L. O.* No. 57)
9543	Ho 113	SD (16°) 5426	37 44	−16 24	14.4	3.67	9.5...11.0	1884.70	Ho 2	
9544	H 2890	SD (20°) 5686	37 44	−20 42	281.3	14 ±	10 ...10+	1830+	H	"Triple"
					257.0	18 ±	...13	1830+	H	
9545	Σ 2575	DM (74°) 832	37 44	74 45	35.1	7.16	8.6...11.7	1832.74	Σ	8.6 *wh.*
9546	Espin —	DM (64°) 1369	37 46	64 39	313.7	2.7	8.8... 9.4	1903	Es	(*M. N.* LXIV, 238)
9547	Collins	SD (11°) 5105	37 46	−11 19	251.8	1.34	8.5... 9.5	1891.72	C 2	
9548	Weisse 34	W^1 XIX^h. 944	37 56	4 28	....	....	8–9...	....	....	
9549	Lewis 30	....	38 :	26 39:	346.0	3.27	9.0... 9.5	1899.58	L 1	(*M. N.* LX, 512)
9550	A 273	A. G. Camb. 10310	38 0	27 46	156.8	1.49	8.6...11.2	1901.80	A 3	(*Bul. L. O.* No. 16; *A. N.* 3784)
9551	β 827	L 37470	38 7	−11 29	268.0	0.87	8.3... 9.1	1881.62	β 3	
9552	β 1132	W^2 XIX^h. 1204	38 11	26 39	227.3	0.49	8.3... 8.7	1889.56	β 3	
9553	A 372	A. G. Camb. 10318	38 15	28 37	118.0	0.30	8.8... 9.7	1902.62	A 2	(*Bul. L. O.* No. 29)
9554	Σ 2573	O. Arg. N. 19554	38 20	60 14	29.7	18.07	6.2... 8.5	1832.12	Σ 4	*Wh.: blue*
9555	H 1432	....	38 25	15 11	314.8	10 ±	8–9...10–11	1828+	H	Nothing here in DM
9556	Σ 2567	P XIX^h. 250	38 29	12 5	315.7	18.07	7.7... 9.5	1829.63	Σ 3	*7.7 very wh.*
9557	Σ 2566 *rej.*	*Aquilae* 159	38 35	4 41	236.1	30 ±	7–8...10	1830+	H	
9558	Σ 2565	SD (13°) 5462	38 35	−13 31	34.1	5.35	8.8... 8.8	1830.77	Σ 3	*White*
9559	OΣ (App) 188	W^2 XIX^h. 1223	38 36	37 24	121.7	58.76	7.0... 7.5	1875.36	Δ 3	
9560	Σ 46, App. I	16 *Cygni*	38 38	50 15	136.2	37.31	5.1... 5.3	1832.59	Σ 5	*Yel'sh wh.*
9561	H 5144	Cord. DM (25°) 14320	38 39	−25 49	13.2	8 ±	9 ...10	1834.6	H	
9562	β 657	W^2 XIX^h. 1209	38 40	22 21	140.1	0.93	9.2...10.0	1877.74	Δ 2	
9563	H 896	....	38 41	− 1 8	155 ±	7 ±	11–12..14	1820+	H	
9564	A. G. 235	A. G. Leiden 7599	38 45	31 41	168.6	11.40	8.2... 9.2	1903.50	β 2	
9565	OΣ 383	Rad^1. 4427	38 52	40 26	27.4	0.91	7.0... 8.5	1845.07	OΣ 3	*Wh.: reddish*
9566	H 1433	....	38 58	32 8	302.5	12 ±	10 ...11	1828+	H	
9567	Bryant	....	39 :	26 51:	349.4	0.33	....	1900.62	Bry 1	(*M. N.* LXI, 486)
9568	A. G. 236	A. G. Leiden 7605	39 0	34 33	158.4	4.55	9.5... 9.7	1903.50	β 2	
9569	β 658	B. A. C. 6762	39 1	26 51	295.2	0.57	6.5...10.0	1878.53	β 1	
9570	Σ 2574	DM (62°) 1747	39 5	62 23	129.4	0.96	8.0... 8.0	1832.23	Σ 3	*Yel'sh*
9571	See 394	Cord. G. C. 27069	39 9	−25 10	293.6	0.37	7.9... 8.4	1897.73	See 2	
9572	H 2894	DM (19°) 4134	39 14	19 14	320.3	8 ±	9–10...11–12	1830+	H	
9573	H 2893	Cord. DM (27°) 14260	39 15	−27 57	47.4	5 ±	9 ...10	1830+	H	
9574	A.G.Clark 10	P XIX^h. 257	39 15	10 29	145.5	0.29	7.5... 7.5	1878.35	β 3	A and B AC= Σ 2570
					276.2	4.09	7.3... 9.5	1827.02	Σ 3	AB and C
9575	A 373	A. G. Albany 6829	39 16	4 43	83.1	4.06	8.7...14.0	1902.77	A 2	(*Bul. L. O.* No. 29)
9576	Ho 453	L 37584	39 20	33 53	49.2	15.52	6.5...13	1892.58	Ho 1	A and B
					134.3	33.56	...12	1892.58	Ho 1	A and C
9577	Σ 2569	DM (16°) 3986	39 22	16 32	2.3	2.35	8.0... 8.5	1830.45	Σ 3	*White*
9578	Hu 76	SD (11°) 5114	19 39 22	−11 8	262.1	0.74	9.0...10.5	1899.60	Hu 1	(*A. J.* 480)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9579	H 1434	....	19h 39m 24s	29° 58′	291°0	3″±	11 ...12	1828+	H	
9580	β 467	O. Arg. S. 19936	39 24	−21 49	135.0	2.61	7.7...10.0	1879.61	Cin 2	
9581	A 599	A. G. Bonn 13319	39 27	41 12	203.1	0.53	8.9... 9.5	1903.75	A 3	A and B (Bul. L. O. No. 50)
					101.3	2.50	14.0...14.5	1903.71	A 1	C and D
					47.	44.	....	1903.	A	AB and C
9582	OΣ 384	P XIXh. 263	39 32	38 2	195.9	0.99	7.0... 7.3	1851.67	OΣ 4	
9583	H 2895	DM (3°) 4136	39 42	3 24	307.4	12±	10 ...10–11	1830+	H	A and B
					13.5	40±	...13	1830+	H	A and C
9584	OΣ (App) 190	L 37628	39 50	46 57	300.2	11.64	...12.5	1878.40	β 1	A and B
					316.5	67.66	7.3... 9.0	1875.66	Δ 3	A and C
9585	β 468	L 37571	39 58	3 57	182.4	9.55	7.0...11.3	1876.97	Δ 3	
9586	Σ 2577	DM (20°) 4258	39 58	20 37	263.4	5.64	8.1... 9.5	1832.51	Σ 4	*Yel'sh: blue*
9587	Howe 51	....	40 :	4 32:	198.6	18.25	8.3...11.7	1879.55	Cin 2	
9588	O. Stone 48	....	40 :	−22 7:	315.9	2.91	7.8...11.0	1879.47	Cin 1	
9589	H 2896	DM (56°) 2288	40 5	56 39	20.2	18±	9 ...10–11	1830+	H	
9590	β 146	L 37544	40 6	−20 10	301.8	0.91	8.3... 9.0	1879.57	β 1	
9591	H N. 113	....	40 12:	37 15:	....	Cl. II	....	1795.	H	
9592	O. Stone 49	O. Arg. S. 19956	40 23	−22 7	8.3	1.65	8.0... 8.7	1879.61	Cin 2	
9593	β 1301	L 37588	40 25	4 0	66.7	56.80	8.5...	1900.58	β 3	A and BC
					337.2	0.65	9.5... 9.5	1900.66	β 3	B and C
9594	β 55	....	40 30	10 16	28.3	3.69	9.6... 9.7	1891.73	β 2	A and B
					260.6	33.26	... 9.6	1898.57	β 1	A and C
9595	A. G. 237	A. G. Leiden 7623	40 37	30 31	145.0	2.19	8.6... 9.2	1903.50	β 2	
9596	A 108	SD (8°) 5103	40 38	− 8 27	183.0	0.27	8.1... 8.5	1900.56	A 3	
9597	H 5147	....	40 46	−30 19	81.3	4±	10 ...12	1834.6	H	
9598	A 374	A. G. Albany 6845	40 48	4 53	11.0	3.00	9.0...13.8	1902.77	A 2	(*Bul. L. O.* No. 29)
9599	Hu 344	DM (18°) 4232	40 54	18 4	329.7	0.29	8.9...10.5	1901.56	Hu 3	(*Bul. L. O.* No. 12)
9600	H 897	DM (8°) 4212	40 58	8 28	295±	8±	11 ...11	1820+	H	
9601	Da 13	L 37672	40 58	44 38	266.2	2.32	7½...11¼	1859.85	Da 1	
9602	Σ 2576	L 37647	41 0	33 20	318.8	3.60	7.8... 7.8	1831.80	Σ 3	*Yel.*
9603	See 395	O. Arg. S. 19960	41 1	−26 57	106.1	2.01	8.5... 8.7	1897.72	See 1	
9604	β 828	DM (5°) 4290	41 3	5 52	10.1	2.87	8.3...10.2	1881.64	β 3	
9605	Σ 2579	δ *Cygni*	41 13	44 50	37.9	1.78	3.0... 7.9	1830.21	Σ 6	*Greenish: ash*
9606	A 274	A. G. Camb. 10385	41 14	27 32	62.1	3.76	9.0...13.0	1901.81	A 2	
9607	Σ 2578	P XIXh. 276	41 15	35 48	126.8	14.79	6.6... 7.4	1831.04	Σ 4	*Very wh.*
9608	H 1435	....	41 21	12 14	293.0	8±	11 ...11–12	1828+	H	
9609	H V. 137	B. A. C. 6777	41 22	34 43	32.9	35.02	....	1783.80	H 1	
9610	Hu 345	DM (17°) 4084	41 22	17 16	104.1	3.87	9.0... 9.8	1901.54	Hu 3	(*Bul. L. O.* No. 12)
9611	H 1437	DM (41°) 3476	41 28	41 10	247.2	7±	9 ...14	1828+	H	
9612	H 1436	DM (14°) 4036	41 34	14 51	303.5	6±	9–10...10–11	1828+	H	
9613	OΣ 385	L 37694	41 42	40 16	55.0	1.31	7.5... 9.8	1845.07	OΣ 3	*Wh.: blue*
9614	H 1438	DM (55°) 2256	41 44	55 29	86.5	12±	9 ...12	1828+	H	
9615	A 600	A. G. Bonn 13365	41 46	43 12	359.4	0.30	8.9... 9.4	1903.64	A 3	(*Bul. L. O.* No. 50)
9616	A 601	DM (41°) 3480	41 48	41 28	156.0	1.17	9.0...10.0	1903.76	A 2	A and B (*Bul. L. O.* No. 50)
					5.1	5.50	...10.0	1903.76	A 2	A and C
9617	Σ 2580	χ *Cygni*	41 52	33 27	73.3	25.75	5.1... 8.1	1832.70	Σ 7	*Very yel.: bluish*
9618	H 898	....	41 55	31 24	225±	2±	11 ...11	1820+	H	A and B
					225±	6±	...11	1820+	H	A and C
9619	Ho 114	DM (32°) 3558	41 59	32 36	238.6	3.12	6.5...13	1886.25	Ho 1	A and B
					215.4	9.72	...14	1901.53	β 1	A and C
					206.5	33.44	... 9	1825.56	S 2	A and D
9620	H 2897	....	42 10	5 5	323.5	4±	13 ...14	1830+	H	
9621	Hu 346	DM (16°) 4019	42 11	16 49	182.8	0.57	8.8... 9.5	1901.57	Hu 3	(*Bul. L. O.* No. 12)
9622	Hu 681	DM (35°) 3799	42 14	35 34	198.3	1.78	8.5...15.0	1903.21	Hu 3	(*Bul. L. O.* No. 57)
9623	β 147	DM (31°) 3770	42 16	31 48	298.8	8.66	8.7...10.6	1875.37	Δ 4	
9624	Hu 347	DM (18°) 4242	19 42 17	18 59	340.6	1.06	8.5...11.5	1901.56	Hu 4	(*Bul. L. O.* No. 12)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9625	**Espin 83**	DM (44°) 3241	$19^h\ 42^m\ 21^s$	44° 40′	214°.7	7″.7	9.3... 9.5	1901	Es	(*A. N.* 3784)
9626	**H 1439**	O. Arg. N. 19615	42 23	55 33	195.0	30±	8 .. 11	1828+	H	*Yellow: bluish*
9627	**Hu 758**	DM (33°) 3594	42 29	33 3	147.9	0.99	9.0... 9.0	1904.35	Hu 1	
9628	**See 396**	O. Arg. S. 19987	42 44	−24 1	271.2	6.97	8 ...11.3	1897.66	See 2	
9629	**Hu 348**	DM (16°) 4007	42 48	16 53	114.0	1.36	9.0...12.8	1901.57	Hu 3	(*Bul. L. O.* No. 12)
9630	**Da 10**	DM (23°) 3777	42 49	23 56	314.3	0.5±	8.0... 9.0	1859.64	Da 2	
9631	**A 602**	A. G. Bonn 13388	42 52	42 29	358.0	1.09	8.7...11.0	1903.71	A 3	A and B (*Bul. L. O.* No. 50)
					19.4	9.82	...13.8	1903.67	A 2	A and C
					104.9	2.22	13.0...14.0	1903.71	A 2	D and E
					79.6	37.79	....	1903.67	A 1	A and D
9632	**Doo 11**	DM (24°) 3886	43 0	24 29	279.8	2.64	9.0...10.0	1900.69	Doo 2	(*Pub. Flower Obsy.* I)
9633	**β 829**	DM (5°) 4299	43 2	5 27	312.0	0.72	8.4... 8.8	1881.65	β 3	
9634	**Σ 2583**	*π Aquilae*	43 3	11 31	120.7	1.50	6.0... 6.8	1829.96	Σ 6	*Yel'sh*
9635	**Σ 2592**	DM (76°) 751	43 6	76 16	304.6	1.39	8.0... 9.9	1832.70	Σ 4	8.0 *wh.*
9636	**Σ 2581** *rej.*	P XIX^h. 1058	43 8	−11 42	....	Cl. IV	7–8... 9	....	Σ	
9637	**Σ 2584**	DM (21°) 3921	43 12	21 54	299.2	1.95	8.5... 8.5	1830.12	Σ 3	*White*
9638	**H 601**	DM (38°) 3758	43 12	38 7	220±	....	7 ...12–15	1820+	H	
9639	**H 2899**	Cord. DM (24°) 15620	43 23	−24 45	318.9	7±	9–10...10	1830+	H	H (VIII) 312°.8 (1834.6)
9640	**Σ 2582**	SD (4°) 4938	43 30	− 4 13	264.8	2.35	7.6... 9.2	1829.94	Σ 4	7.6 *yel'sh*
9641	**Σ 2586**	W^2 XIX^h. 1377	43 32	24 40	227.4	3.61	7.3...10.2	1830.15	Σ 3	7.3 *wh.*
9642	**H 2900**	SD (19°) 5622	43 34	−19 34	48.6	10±	10 ...12	1830+	H	
9643	**A.G.Clark 11**	*ζ Sagittae*	43 39	18 51	157.6	0.29	5.5... 6.5	1878.11	β 5	A and B AB *greenish wh.: C blue* (AC = Σ 2585)
					312.8	8.49	5.7... 8.7	1831.10	Σ 6	AB and C
9644	**OΣ 386**	L 37776	43 56	36 52	77.5	0.97	7.7... 8.0	1846.63	OΣ 3	
9645	**H 2901**	Cord. DM (27°) 14323	43 56	−27 28	157.9	7±	8 ...10–11	1830+	H	
9646	**Hu 77**	SD (11°) 5147	43 59	−11 6	317.0	0.46	9.0...11.5	1899.60	Hu 1	A and B
					319.7	30.80	10½...10½	1845.8	J	AB and C
9647	**Hu 682**	DM (34°) 3725	44 2	34 32	107.9	0.49	9.0...11.5	1903.21	Hu 3	
9648	**H 2985**	*λ Ursae Minoris*	44 10	88 57	289.4	60±	5–6...13	1830+	H	*Ruddy.* (See p. 1081)
9649	**Ho 275**	51 *Aquilae*	44 11	−11 4	116.9	19.03	5 ...13	1887.68	Ho 1	
9650	**OΣ 387**	L 37785	44 15	35 0	129.4	0.50	7.2... 8.2	1844.18	OΣ 2	
9651	**Hu 683**	DM (48°) 2952	44 25	48 40	269.5	1.34	9.0...13.0	1904.38	Hu 2	(*Bul. L. O.* No. 57)
9652	**A. G. 238**	DM (6°) 4327	44 25	6 55	284.6	6.16	9.4...10.0	1894.81	Lp	
9653	**A 375**	A. G. Leiden 7682	44 26	31 53	168.3	1.06	9.5... 9.6	1902.68	A 4	(*Bul. L. O.* No. 29)
9654	**Hu 349**	DM (16°) 4023	44 34	16 44	237.1	2.40	8.4...12.8	1901.55	Hu 3	(*Bul. L. O.* No. 12)
9655	**♅ IV. 99**	DM (17°) 4110	44 37	17 39	90.0	21.37	....	1783.65	♅ 1	B and C
					259.4	Cl. IV	....	1783.65	♅ 1	A and B
9656	**A. G. 239**	DM (51°) 2683	44 44	51 36	258.4	13.47	8.4... 9.3	1903.00	Es 3	
9657	**Σ 10, App. II**	*α Aquilae*	44 55	8 33	322.1	152.37	1.5...10.2	1836.29	Σ 6	1.5 *yel'sh wh.*
9658	**A 43**	SD (4°) 4952	45 3	− 4 54	281.7	1.64	9.5...11.3	1899.78	A 2	(*A. N.* 3635)
9659	**β 361**	W^2 XIX^h. 1429	45 7	22 22	350.0	3.49	9.2... 9.9	1875.89	Δ 4	
9660	**A 718**	W^2 XIX^h. 1450	45 11	44 5	52.1	0.28	8.0. . 8.5	1904.45	A 2	B and C (AB = Σ 2588)
					160.5	9.59	7.9... 8.3	1833.22	Σ 5	A and BC
9661	**Espin 84**	DM (38°) 3772	45 13	38 25	156.3	11.4	6.5...11.6	1901	Es	
9662	**H 1441**	DM (30°) 3767	45 26	30 9	42.2	5±	10 ...15	1828+	H	A and B "C est. from diagram"
					190±	10±	...11	1828+	H	A and C
9663	**β 148**	L 37779	45 27	−10 40	333.2	0.91	7.9... 8.3	1875.26	Δ 4	A and B
					64.7	26.32	...13.5	1891.63	β 2	AB and C
9664	**Σ 2587**	*Aquilae* 180	45 28	3 47	98.6	4.08	6.5... 9.2	1828.08	Σ 3	6.5 *golden*
9665	**H 2903**	DM (39°) 3925	45 28	39 21	159.1	8±	9 ...13	1830+	H	
9666	**H 1440**	....	45 42	14 13	51.0	12±	10–11..11	1828+	H	
9667	**H 1442**	DM (14°) 4071	45 46	14 12	275.2	5±	10 ...11	1828+	H	
9668	**Espin 130**	DM (60°) 2017	45 48	60 51	237.7	2.9	9.5... 9.7	1902	Es 3	(*M. N.* LXIII, 172)
9669	**A 376**	A. G. Leip. II. 9605	45 52	7 20	127.6	1.78	9.0...10.0	1902.78	A 2	(*Bul. L. O.* No. 29)
9670	**H 5152**	O. Arg. S. 20036	45 54	−30 34	151.5	3±	9 ...10	1834.6	H	
9671	**H 2902**	....	19 46 1	−21 45	214.3	15±	10 = 10	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9672	H 2905	DM (60°) 2019	$19^h\ 46^m\ 6^s$	60°55′	205°0	8″±	10 ...11	1830+	H	
9673	H 1444	....	46 10	41 8	288.0	3±	13 ...14	1828+	H	
9674	Espin —	DM (64°) 1386	46 15	64 23	70.7	6.5	8.0...10.5	1903	Es	
9675	Espin 23	DM (44°) 3265	46 15	44 51	138.6	7.57	8.1...12.2	1892.82	Es 4	A and B
					327.5	31.41	... 9.2	1892.82	Es 3	A and C
9676	Hu 350	DM (19°) 4183	46 18	19 50	46.2	3.40	8.9... 9.3	1901.55	Hu 3	(*Bul. L. O.* No. 12)
9677	H 603	19 *Cygni*	46 19	38 25	95±	40±	7 ...12	1820+	H	A and B
					10±	10±	...18	1820+	H	B and C
9678	β 978	W^2 XIX^h. 1470	46 22	23 13	234.2	0.94	8.3... 8.4	1880.48	β 3	
9679	Σ 2589	DM (0°) 4338	46 25	0 20	297.6	5.01	8.0... 8.4	1830.88	Σ 6	*Very wh.*
9680	H 899	....	46 26	− 3 7	225±	8±	11 ...12	1820+	H	
9681	H 1443	DM (24°) 3911	46 28	25 3	195.0	15±	10 ...10+	1828+	H	
9682	Σ 2590	P XIX^h. 307	46 32	10 3	309.2	13.51	7.1...10.0	1830.53	Σ 4	7.1 *very wh.*
9683	A. G. 240	DM (47°) 2933	46 35	47 30	256.7	14.57	8.9... 9	1900.76	Es 3	
9684	H 2906	DM (58°) 1989	46 47	58 58	61.2	20±	9–10...10	1830+	H	8.9 m. in DM
9685	Hu 351	DM (19°) 4187	46 55	19 33	153.0	2.00	8.0...12.2	1901.55	Hu 3	(*Bul. L. O.* No. 12)
9686	β 979	W^2 XIX^h. 1496	46 57	22 58	338.7	2.24	8.3...11.1	1880.49	β 3	
9687	Hu 267	SD (17°) 5785	46 57	−16 57	350.3	1.76	8.3...14.4	1900.52	Hu 4	(*A. J.* 494)
9688	Σ 2591	SD (6°) 5294	46 57	− 6 19	108.5	29.18	7.5... 8.5	1827.73	Σ 2	*Yel'sh wh.: wh.*
9689	OΣ 389	L 37878	46 58	30 50	183.0	12.80	6.9... 8.8	1849.69	OΣ 4	
9690	H 2904	B. A. C. 6814	47 8	−24 14	173.5	20±	6 ...10	1831.00	H	*Yellow: bluish*
9691	H 1447	DM (33°) 3625	47 9	33 46	337.0	12±	9 ...13	1828+	H	A and B } 8.1 m. in DM
					90.0	12±	...15	1828+	H	A and C
9692	Hu 684	DM (48°) 2966	47 16	48 33	174.7	0.93	8.6... 8.6	1904.38	Hu 2	(*Bul. L. O.* No. 57)
9693	OΣ 388	DM (25°) 4004	47 19	25 33	140.5	3.70	7.6... 7.6	1848.51	OΣ 5	A and B
					139.1	26.61	... 8.8	1850.04	OΣ 3	B and C
9694	Σ 2598	DM (54°) 2232	47 19	54 21	148.3	10.92	8.0...10.4	1832.66	Σ 4	8.0 *very yel.*
9695	Ho 580	L 37881	47 19	22 9	267.6	0.65	8.0... 8.1	1895.76	Ho 4	
9696	A. G. 241	DM (7°) 4278	47 31	8 2	193.8	11.26	9.8...10.0	1894.85	Lp	
9697	H 900	56 *Aquilae*	47 37	− 8 53	75±	40±	6 ...11	1820+	H	*Yellow: blue*
9698	Σ 2593 *rej.*	DM (11°) 4030	47 37	11 32	235.9	12.38	8.3... 9.7	1901.47	β 3	A and B
					304.3	3.70	...11.0	1901.47	β 3	B and C
9699	H 1488	DM (37°) 3651	47 40	37 43	170.0	6±	10 = 10	1828+	H	Double in A. G. (See p. 1081)
9700	H.C.Wilson 17	Cord. DM (24°) 15677	47 46	−24 10	117.6	17.34	8.0...10.5	1885.71	W 1	
9701	H III. 105	DM (19°) 4192	47 55	19 59	219.6	14.48	....	1783.45	H 1	
9702	H 1446	....	47 56	−19 34	53.4	12±	9–10...11	1828+	H	
9703	Hu 685	DM (35°) 3845	47 59	35 18	65.8	1.65	9.0...14.5	1903.21	Hu 3	(*Bul. L. O.* No. 57)
9704	A 377	A. G. Leiden 7734	48 1	31 38	260.4	3.78	8.8...13.2	1902.80	A 3	(*Bul. L. O.* No. 29)
9705	Σ 48, App. I	P XIX^h. 320	48 5	20 1	147.9	42.22	6.7... 6.8	1831.86	Σ 6	*White*
9706	H 602	SD (12°) 5577	48 5	−12 43	310±	3±	10 ...13	1820+	H	
9707	Σ 2594	57 *Aquilae*	48 8	− 8 32	171.4	35.55	5.2... 6.2	1833.12	Σ 5	*Very wh.*
9708	Hn 36	SD (20°) 5759	48 12	−20 39	214.3	1.03	8.5... 9.0	1881.71	β 3	
9709	A 168	A. G. Berlin 7337	48 12	23 21	263.0	0.24	9.2... 9.3	1900.66	A 3	
9710	Hu 686	DM (50°) 2904	48 18	50 28	146.4	4.43	7.0...12.0	1904.38	Hu 2	(*Bul. L. O.* No. 57)
9711	Σ 2599	DM (22°) 3846	48 30	22 41	48.6	3.91	7.8... 9.5	1829.79	Σ 3	7.8 *very wh.*
9712	Σ 2596	*Aquilae* 192	48 32	14 59	353.0	2.12	7.2... 8.6	1831.26	Σ 4	*Yel'sh: ash*
9713	Σ 2603	ε *Draconis*	48 34	69 58	354.5	2.79	4.0... 7.6	1832.44	Σ 6	*Yel.: blue*
9714	A. G. 242	A. G. Lund 8805	48 36	36 45	178.5	1.85	9.2... 9.7	1902.60	β 2	
9715	A 603	A. G. Bonn 13493	48 39	40 26	94.8	0.67	8.4...10.3	1903.75	A 3	(*Bul. L. O.* No. 50)
9716	H 1449	DM (32°) 3611	48 39	32 44	286.5	4±	10 ...13	1828+	H	
9717	H 1450	....	48 46	29 58	251.6	3±	11 ...11	1828+	H	
9718	β 659	DM (6°) 4351	48 48	6 50	316.0	12.32	6.5...12.5	1878.62	β 1	
9719	Σ 2597	*Aquilae* 191	48 53	− 7 3	92.1	1.92	6.9... 8.0	1826.47	Σ 4	*White*
9720	Hn 153	SD (13°) 5519	48 58	−13 24	113.2	2.14	9.7...10.5	1888.73	Com 3	
9721	β 830	L 37916	49 0	− 1 9	106.4	2.72	8.0...11.2	1881.74	β 2	
9722	Schj. 23	SD (7°) 5103	19 49 15	− 7 2	23.9	36.27	8.8... 9.4	1890.54	Gla 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9723	**H 2910**	**DM** (58°) 1998	$19^h 49^m 22^s$	58°54′	263°.5	8$''$±	10 ...11	1830+	H	
9724	**OΣ 532**	*β Aquilae*	49 25	6 6	17.1	12.36	3.4...11.3	1852.44	OΣ 4	
9725	**Ho 115**	**W^2 XIX^h.** 1576	49 28	16 56	326.0	4.96	8.1...13	1886.70	Ho 2	
9726	**H 1451**	**DM** (31°) 3832	49 34	31 51	229.0	10±	10 ...12	1828+	H	
9727	**A 275**	**A. G. Camb.** 10583	49 53	24 54	86.8	0.18	9.3... 9.3	1901.94	A 2	
9728	**Howe 52**	....	50 ±	24 29:	15.2	36.23	9.0... 9.0	1879.53	Cin 1	From Cin^5
9729	**Σ 2600**	**L** 37989	50 4	22 11	54.6	3.15	8.3... 9.7	1829.79	Σ 3	
9730	**H 1452**	....	50 8	40 45	228.8	5±	11 ...12	1828+	H	
9731	**H 2909**	....	50 10	38 59	....	....	....	1830+	H	
9732	**OΣ 390**	**L** 38029	50 20	29 53	23.0	9.82	6.9... 9.2	1849.72	OΣ 4	A and B
					175.1	16.28	...11.0	1849.72	OΣ 4	A and C
9733	**A 44**	**SD** (3°) 4751	50 27	− 3 19	22.8	1.42	8.4...11.8	1899.78	A 4	(*A. N.* 3635)
9734	**Doo 12**	**DM** (35°) 3860	50 35	35 32	252.8	1.53	9.2...10.2	1900.59	Doo 3	(*Pub. Flower Obsy.* I)
9735	**H 2913**	....	50 36	62 2	233.3	6±	11 ...12	1830+	H	
9736	**Ho 116**	**L** 38019	50 38	17 36	22.2	3.90	8.0...12.7	1886.71	Ho 2	A and B
					9.6	17.85	...13	1886.71	Ho 1	A and C
9737	**H 1453**	....	50 41	24 20	227.1	23±	9=9	1828+	H	
9738	**Σ 2601**	**DM** (1°) 4145	50 46	1 36	166.0	6.59	8.2...10.0	1831.05	Σ 4	8.2 *wh.*
9739	**Ho 581**	**W^2 XIX^h.** 1646	50 56	41 32	258.4	0.32	7.5... 7.5	1895.69	Ho 2	(*A. N.* 3557)
9740	**H 2847**	....	51 3	7 57	35.5	8±	11=11	1830+	H	
9741	**Hd 155**	**W^1 XIX^h.** 1255	51 22	− 9 23	113.1	108.6	....	1868.62	Hd 1	
9742	**A 604**	**A. G. Alb.** 6918	51 23	4 54	263.3	0.20	8.6... 8.7	1903.51	A 3	(*Bul. L. O.* No. 50)
9743	**H 2911**	**SD** (18°) 5547	51 26	−18 4	99.0	15±	10 ...11	1830+	H	
9744	**OΣ (App) 194**	**B. A. C.** 6852	51 26	59 22	360.3	75.26	5.3... 8.3	1875.31	Δ 3	
9745	**Hu —**	**DM** (50°) 2936	51 28	50 58	18.7	0.35	8.0... 8.5	1904.36	Hu 1	
9746	**A 605**	**A. G. Leip.** 9701	51 29	6 27	87.5	1.64	8.6...10.0	1903.42	A 3	(*Bul. L. O.* No. 50)
9747	**Σ 2604**	**DM** (63°) 1574	51 29	63 52	184.5	27.81	6.5... 8.7	1831.95	Σ 2	*Yel.: blue*
9748	**H 604**	**W^2 XIX^h.** 1669	51 35	40 4	305±	50±	8 ...11	1820+	H	
9749	**Hu 687**	**DM** (50°) 2920	51 40	50 30	92.8	0.15	7.5... 7.5	1904.38	Hu 2	(See p. 1081) (*Bul. L. O.* No. 57)
9750	**H 1454**	....	51 41	−17 42	236.5	10±	9 ...13–14	1828+	H	Probably SD (17°) 5812
9751	**H 2915**	....	51 43	61 35	272.1	5±	11=11	1830+	H	
9752	**β 980**	*η Cygni*	51 48	34 46	209.6	7.07	5 ...13.0	1879.89	β 5	A and B
					325.3	46.17	...11.5	1879.47	β 1	A and C
					170.0	49.52	...11.5	1879.47	β 1	A and D
					247.3	61.72	...12.5	1898.56	β 1	A and E
9753	**β 831**	**DM** (47°) 2955	51 59	47 4	128.0	0.94	8.6... 9.0	1881.46	β 3	
9754	**A 606**	**A. G. Alb.** 6924	52 6	4 37	105.9	0.28	8.8... 8.8	1903.51	A 3	(*Bul. L. O.* No. 50)
9755	**A. Clark 12**	**W^1 XIX^h.** 1273	52 9	− 2 33	333.7	0.86	7¼... 8	1854.65	Da 1	
9756	**Σ 2602**	**SD** (13°) 5537	52 14	−13 37	150.0	12.10	8.5... 9.2	1829.27	Σ 2	
9757	**A 607**	**A. G. Leip. II.** 9709	52 14	5 28	194.2	0.18	8.9... 9.2	1903.51	A 3	(*Bul. L. O.* No. 50)
9758	**β 266**	**W^1 XIX^h.** 1282	52 15	11 5	167.3	15.65	7.2...11.3	1875.31	Δ 3	
9759	**β 425**	**L** 38087	52 15	19 58	241.3	1.26	8.8... 9.0	1876.29	Δ 3	A and B
					40.4	19.81	...12.0	1879.55	β 3	A and C
9760	**H 901**	....	52 21	− 1 20	245±	7±	11 ...13	1820+	H	
9761	**A. G. 243**	**A. G. Leiden** 7798	52 24	30 45	261.1	43.77	8.5... 9.0	1903.52	β 2	
9762	**Hu 688**	**DM** (48°) 2984	52 28	48 53	291.3	4.05	8.2...13.0	1904.38	Hu 2	(*Bul. L. O.* No. 57)
9763	**H 2916**	**DM** (58°) 2009	52 29	58 7	113.5	10±	10 ...12	1830+	H	
9764	**Espin 131**	**DM** (53°) 2332	52 30	54 3	228.0	7.3	8.1... 9.0	1902	Es	(See p. 1081) (*M. N.* LXIII, 172)
9765	**Σ 2605**	*ψ Cygni*	52 32	52 7	184.6	3.32	5.0... 7.5	1831.39	Σ 5	*Wh.: ash*
9766	**H 2917**	....	52 39	58 6	110.0	8±	11 ...11	1830+	H	
9767	**β 981**	**W^2 XIX^h.** 1687	52 40	20 13	111.4	3.07	8.0...11.4	1880.31	β 5	A and B
					58.8	32.10	...11	1880.48	β 1	A and C
9768	**H 2912**	**SD** (18°) 5557	52 41	−17 57	140.5	14±	9–10...10	1830+	H	
9769	**β 149**	**L** 38105	19 52 47	16 10	199.8	8.32	9.9...12.5	1893.54	Lv 4	B and C
					278.6	126.57	6.5...	1893.54	Lv 3	A and B

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9770	H 2914	....	19h 52m 50s	1°29′	210° ±	10″ ±	11 ...11	1830+	H	
9771	A. Clark 16	DM (26°) 3744	52 57	26 56	234.3	0.35 ±	7½... 8	1859.61	Da 1	A and B
					136.6	93.46	... 6.3	1875.78	Δ 3	AB and C
9772	A. G. 244	DM (21°) 3994	53 5	21 49	275.6	1.16	9.0...10.4	1902.73	M 3	
9773	See 400	O. Arg. S. 20138	53 9	−24 17	30.4	1.38	7.9...10	1897.70	See 3	
9774	Ho 276	L 38100	53 16	−10 16	172.9	....	7 ... 7	1887.75	Ho 1	
9775	OΣ 391 *rej.*	DM (43°) 3425	53 20	43 56	52.5	17.93	7.5...10.2	1866.51	Δ 3	
9776	H 1457	DM (37°) 3695	53 23	37 36	221.7	8 ±	10 = 10	1828+	H	
9777	H 5164	O. Arg. S. 20141	53 31	−27 31	124.6	10 ±	9 ... 9½	1834.6	H	
9778	H 1460	....	53 39	46 28	90.0	2½ ±	11 ...11+	1828+	H	
9779	Ho 582	DM (33°) 3670	53 40	33 13	142 ±	0.3 ±	8.5... 8.5	1895.74	Ho 4	A and B (*A. N.* 3557)
					187.4	7.24	...12	1895.73	Ho 3	AB and C
9780	Ho 583	DM (21°) 3999	53 52	21 47	250.0	1.21	9.0...10.7	1895.76	Ho 2	(*A. N.* 3557)
9781	Σ 2617	DM (75°) 714, 715	53 53	75 5	42.0	27.75	8.5... 9.0	1832.29	Σ 3	*Wh.*
9782	OΣ 392	*Cygni* 116	53 54	41 56	322.0	0.44	7.2... 9.0	1844.66	OΣ 3	A and B AC= Σ 2607
					293.4	3.23	... 9.0	1831.52	Σ 3	AB and C
9783	Σ 2606	DM (32°) 3651	53 54	32 57	131.0	1.19	7.5... 8.2	1832.07	Σ 3	*Yel'sh wh.*
9784	Schj. 24	DM (11°) 4075	53 55	11 34	360 ±	30 ±	9 ... 9	....	....	From *Schj.* (1485)
9785	Lewis 31	....	54 1	29 34:	129.7	3.70	9.0... 9.5	1899.72	L 1	
9786	OΣ 393	L 38206	54 0	44 4	225.8	21.75	7.5... 8.4	1847.74	OΣ 3	*Reddish: blue*
9787	Σ 2609	*Cygni* 118	54 15	37 47	29.1	2.37	7.0... 8.1	1831.85	Σ 5	*Very wh.*
9788	See 401	Lac. 8308	54 16	−23 4	220.7	13.03	5.2...14.5	1897.82	See 1	
9789	H 1458	DM (10°) 4132	54 22	10 51	311.8	20 ±	9 = 9	1828+	H	
9790	H 1459	....	54 23	14 25	108.5	3 ±	12 ...13	1828+	H	
9791	A 276	A. G. Camb. 10687	54 26	26 16	329.4	0.88	9.0...12.3	1901.89	A 3	
9792	β 469	W² XIXh. 1757	54 28	24 24	175.4	14.43	8.3...10.7	1877.01	Δ 3	
9793	Hu 689	DM (50°) 2936	54 28	50 58	16.6	0.35	7.8... 8.2	1904.38	Hu 2	
9794	H 2919	DM (5°) 4373	54 32	5 10	348.0	12 ±	10 ...11	1830+	H	
9795	H 1461	....	54 37	32 0	130 ±	4 ±	10 ...12	1828+	H	"P est. from diagram"
9796	Σ 2610	DM (35°) 3898	54 38	35 13	298.4	4.26	8.1... 8.6	1830.28	Σ 4	A and B AB *wh.*
					206.4	12.30	...11.0	1843.77	Ma 1	A and C
9797	....	χ *Sagittae*	54 38	17 11	205.4	28.96	5.8...12	1878.70	β 1	
9798	A 378	A. G. Leiden 7840	54 40	31 47	318.7	0.41	8.4... 8.8	1902.80	A 3	(*Bul. L. O.* No. 29)
9799	S 730	W² XIXh. 1765	54 44	17 17	15.8	115.93	7½... 8	1825.04	S 2	
9800	Ḥ IV. 100	DM (17°) 4186	54 45	17 11	259.6	23.03	....	1783.65	Ḥ 1	A and B
					280 ±	60 ±	....	1783.65	Ḥ	A and C
9801	β 1133	L 38224	54 56	31 30	338.6	0.87	6.8... 9.5	1889.56	β 3	
9802	A 379	A. G. Leiden 7844	54 56	30 35	225.8	2.45	8.0...13.2	1902.80	A 3	(*Bul. L. O.* No. 29)
9803	Hu 352	DM (17°) 4188	54 57	17 37	261.5	0.23	8.6... 9.1	1901.79	Hu 2	(*Bul. L. O.* No. 19)
9804	H 2918	L 38161	54 58	−17 53	139.0	15 ±	9 ... 9–10	1830+	H	
9805	H 1462	W² XIXh. 1776	55 5	25 37	22.6	27 ±	8 ...10	1828+	H	
9806	Arg. 35	O. Arg. N. 19862	55 6	53 36	228.0	7.27	8.4... 9.0	1902.46	β 2	
9807	A 169	....	55 8	22 35	190.7	1.14	10.2...10.7	1900.60	A 2	
9808	Σ 2611	O. Arg. N. 19860	55 14	47 2	26.4	5.10	8.0... 8.0	1831.91	Σ 4	*Yel'sh wh.*
9809	Ho 584	L 38223	55 15	25 52	226.4	2.29	6.5...12	1896.68	Ho 2	(*A. N.* 3557)
9810	Hd Zones	DM (0°) 4386	55 25	0 20	198.8	9.44	8.5...12	1900.46	β 1	*Red: blue*
9811	β 1258	DM (29°) 3838	55 26	29 35	159.9	1.52	8.0...12.0	1878.41	β 1	
9812	Hu 78	SD (13°) 5553	55 29	−12 57	181.7	2.18	8.5... 8.8	1899.76	Hu 1	(*A. J.* 480)
9813	Ḥ I. 93	L 38205	55 30	− 0 32	289.1	Cl. I	....	1783.69	Ḥ 1	
9814	Σ 2612	DM (6°) 4401	55 31	6 36	52.8	36.59	7.8... 8.8	1827.67	Σ 3	*Wh.*
9815	H 2922	....	55 33	61 6	347.3	8 ±	10 ...11	1830+	H	
9816	H 2923	Radᶦ. 4549	55 38	62 33	167.5	20 ±	7–8...16	1830+	H	"Excessively difficult"
9817	Hu 79	SD (12°) 5621	55 39	−12 17	243.5	0.60	8.5... 8.8	1899.76	Hu 1	(*A. J.* 480)
9818	Σ 2613	*Aquilae* 210	55 43	10 25	350.7	4.69	7.0... 7.2	1829.18	Σ 4	*Yel'sh wh.*
9819	H 2920	....	19 55 44	2 51	171.6	4 ±	10 ...10	1830+	H	"Neat"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9820	OΣ 394	DM (36°) 3807	19h 55m 45s	36° 5′	294°.7	10″.83	7.0... 9.8	1847.45	OΣ 4	7.0 *yel.*
9821	H 1464	O. Arg. N. 19872	55 48	50 20	31.3	13±	8 ...17	1828+	H	
9822	H 1463	....	55 53	45 29	316.1	8±	11 ...12	1828+	H	
9823	β 439	DM (29°) 3845	55 57	29 30	249.7	2.70	7.9...12.7	1876.80	β 1	
9824	Lewis 32	....	56 :	29 35:	129.7	3.70	9.0... 9.5	1899.72	L 1	
9825	Webb	DM (36°) 3816	56 19	36 15	202.0	71.38	7 ... 8.6	1900.52	Es 2	A and B 8.6 *red;* Espin (3717)
					228.3	14.40	9.0... 9.5	1900.53	Es 2	C and D
					277.7	26.13	....	1900.53	Es 2	B and C
9826	Ho 585	L 38241	56 21	− 3 40	357.3	15.75	8 ...12	1894.73	Ho 2	(*A. N.* 3557)
9827	H 5510	....	56 30	1 29	55±	7±	15 = 15	1823+	H	
9828	A 719	A. G. Bonn 13646	56 33	46 1	107.0	2.73	9.2... 9.6	1904.45	A 2	
9829	H 2921	DM (−1°) 3885	56 34	− 0 56	342.2	15±	9–10...12	1830+	H	8.7m. in DM
9830	β 1289	W² XIXh. 1835	56 38	37 23	59.7	0.84	8.3... 9.2	1899.32	β 3	A and B
					90.0	21.51	... 9.0	1899.32	β 3	A and C
9831	H 1467	....	56 49	40 35	127.0	7±	10 ...10+	1828+	H	
9832	A 277	A. G. Camb. 10746	56 51	26 56	338.8	4.01	9.0...13.2	1901.76	A 3	
9833	OΣ 395	16 *Vulpeculae*	56 56	24 36	79.3	0.64	5.8... 6.2	1844.16	OΣ 2	
9834	Σ 2615	L 38279	57 5	8 4	323.2	10.82	7.2...10.1	1828.94	Σ 4	7.2 *wh.*
9835	Hd Zones	DM (0°) 4399	57 6	0 22	145.6	4.22	8.6...13.0	1900.94	β 2	A and B
					190.1	16.57	...11.5	1900.94	β 2	A and C
9836	A. G. 245	A. G. Leiden 7878	57 9	31 19	356.7	12.02	8.3... 9.8	1903.52	β 2	β^6
9837	Σ 2616	DM (14°) 4150	57 13	14 15	265.9	3.27	6.8... 9.7	1829.69	Σ 3	6.8 *very yel.*
9838	Ho 586	DM (32°) 3680	57 15	32 43	174.5	6.07	9 ...12	1895.63	Ho 2	(*A. N.* 3557)
9839	H 1468	L 38337	57 18	39 58	275.4	8±	9 ...12	1828+	H	
9840	Σ 2623	DM (59°) 2159	57 20	59 8	106.3	1.68	8.9...10.9	1833.03	Σ 4	8.9 *yel.*
9841	Hu 353	DM (19°) 4258	57 20	19 45	338.6	0.41	8.9...10.5	1901.79	Hu 2	(*Bul. L. O.* No. 12)
9842	H 1466	....	57 20	10 55	339.0	5±	13 = 13	1828+	H	"Middle star of a cluster"
9843	Espin —	DM (59°) 2160	57 21	59 24	145.0	4.1	9.0...11.5	1903	Es	(*M. N.* LXIV, 238)
9844	A 45	SD (3°) 4774	57 23	− 3 46	110.6	0.90	9.6...10.0	1899.73	A 3	(*A. N.* 3635)
9845	Σ 2619	DM (47°) 2982	57 29	47 56	244.9	4.29	8.1... 8.1	1831.91	Σ 4	A and B AB *yel'sh wh.*
					299.6	17.33	...11.5	1862.80	OΣ 2	A and C
					183.8	5.45	11.8...13.0	1879.49	β 1	C and D
9846	H 1465	....	57 30	−16 30	113.2	3±	11 ...12	1828+	H	
9847	*Δ* 21	DM (15°) 4029	57 32	15 11	214.3	21.65	7.7...10.2	1867.04	*Δ* 3	
9848	H 2924	DM (20°) 4031	57 37	21 25	349.0	12±	9 ...11	1830+	H	
9849	A 720	A. G. Bonn 13675	57 39	48 0	63.9	0.47	9.5... 9.5	1904.45	A 1	
9850	OΣ (App) 196	Rad¹. 4560	57 42	40 31	167.0	55.74	6.7... 8.2	1873.97	*Δ* 2	
9851	OΣ 396 *rej.*	L 38328	57 53	18 10	205.0	47.71	6.0... 9.3	1866.91	*Δ* 3	
9852	Σ 2618	W¹ XIXh. 1431	57 56	15 8	115.5	5.29	8.6... 8.9	1831.27	Σ 4	*White*
9853	Ho 117	....	57 56	33 21	313.5	5.08	9.1...10.4	1883.48	Ho 4	
9854	♅ V. 47	26 *Cygni*	57 58	49 46	146.3	41.73	5.3... 8.5	1875.32	*Δ* 3	A and B
					73.7	8.99	...11.0	1878.41	β 1	B and C
9855	Lewis 33	....	58 :	24 35:	20.1	0.45	8 ... 9	1900.71	L 1	
9856	Ho 118	DM (33°) 3701	58 7	33 20	27.1	2.85	9.1...11.0	1883.48	Ho 4	
9857	H 2925	W¹ XIXh. 1433	58 11	4 29	242.5	25±	8 ...12	1830+	H	
9858	H 2971	Redhill 3060	58 13:	88 5	207.4	12±	9 ...12	1830+	H	A and B
					40.8	25±	...12	1830+	H	A and C
9859	H 1469	DM (14°) 4157	58 16	14 15	217.0	14±	10 = 10	1828+	H	
9860	....	DM (14°) 4158	58 17	14 39	170.9	28.85	7.5... 9.5	1900.68	β 1	(β^6)
9861	♅ IV. 3	64 *Sagittarii*	58 28	−11 56	10±	25±	....	1780.65	♅	
9862	Σ 2620	DM (11°) 4114	58 29	11 27	291.9	1.78	8.2... 9.3	1830.83	Σ 3	
9863	Σ 2622	DM (16°) 4120	58 42	16 40	194.2	5.97	8.0... 8.7	1831.38	Σ 3	*Yel'sh: bluish*
9864	β 56	L 38343	58 47	− 4 39	162.2	1.61	8.2... 9.2	1875.43	*Δ* 4	
9865	Σ 2621	L 38366	58 48	8 54	222.0	5.67	7.7... 7.9	1829.71	Σ 5	*White*
9866	A 380	A. G. Leiden 7902	19 58 53	32 0	201.4	0.89	9.3... 9.4	1902.71	A 3	(*Bul. L. O.* No. 29)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9867	Hn 154	SD (14°) 5634	19^h 58^m 56^s	−14° 40′	40°.7	1″.28	9.8... 9.8	1888.75	Com 3	
9868	Σ 2624	W^2 XIX^h. 1931	59 1	35 41	178.8	2.04	7.2... 7.8	1830.83	Σ 3	A and B } AB *wh.*
					327.4	42.35	... 9.5	1831.85	Σ 2	A and C
9869	H 2926	....	59 6	4 14	346.2	18±	10 ...11	1830+	H	
9870	A 608	A. G. Leip. II. 9799	59 12	5 26	15.8	1.07	9.0...11.2	1903.51	A 3	(*Bul. L. O.* No. 50)
9871	H 2927	W^1 XIX^h. 1456	59 13	0 7	135.0	20±	7 ...13	1830+	H	
9872	β 426	O. Arg. N. 19938	59 13	54 18	310.0	5.75	8.2...10.2	1877.05	Δ 6	A and B }
9873	β 427	....	....	....	336.5	3.01	8.1...10.0	1877.05	Δ 6	C and D
					53.3	166.17	....	1877.18	Δ 4	A and C
9874	See 405	O. Arg. S. 20228	59 15	−28 43	233.4	0.48	8 ... 8.4	1897.66	See 1	
9875	OΣ 397 *rej.*	DM (15°) 4038	59 17	15 34	169.5	34.03	7.1... 8.5	1845.34	OΣ 2	
9876	H 1470	DM (37°) 3744	59 19	37 59	332.5	25±	8–9...10	1828+	H	
9877	Σ 2626	DM (30°) 3874	59 27	30 12	121.7	1.17	8.0... 8.2	1831.12	Σ 3	*White*
9878	Hn 155	W^1 XIX^h. 1463	59 43	−13 43	275.7	1.83	9.7...10.2	1888.71	Com 3	
9879	Hu 759	SD (20°) 5816	59 49	−20 54	301.4	0.41	9.5...11.5	1901.71	Hu 1	
9880	H 1472	DM (43°) 3470	59 51	43 39	44.5	10±	9–10... 9–10	1828+	H	
9881	Ho 454	DM (50°) 2965	59 51	50 8	55.5	5.46	7.0...12	1889.76	Ho 2	
9882	H 1471	W^2 XIX^h. 1957	59 54	31 53	1.5	30±	6 ...11	1828+	H	
9883	Espin 85	DM (43°) 3471	59 54	43 51	31.9	2.7	9.2...10	1901	Es	A and B } (*A. N.* 3784)
					86.6	10.1	...11.5	1901	Es	A and C
9884	β 57	L 38415	59 55	15 9	118.9	2.33	6.2...10.6	1875.10	Δ 4	
9885	H 5168	O. Arg. S. 20239	59 56	−30 4	83.2	15±	7 ...12	1834.6	H	
9886	Hd 156	....	20 0 :	− 9 15:	....	....	....	1868.61	Hd	No description
9887	H 2928	SD (19°) 5709	0 0	−19 8	302.3	7±	10 ...10–11	1830+	H	
9888	Hn 156	DM (1°) 4198	0 3	1 39	249.9	1.15	9.6...10.0	1888.71	Com 3	
9889	H 2929	....	0 5	42 14	108.7	12±	10 ...12	1830+	H	
9890	β 832	SD (11°) 5230	0 5	−10 59	101.8	1.34	8.6... 8.9	1881.65	β 3	
9891	Σ 2625	P XIX^h. 396	0 5	−13 16	11.9	13.32	7.0...10.8	1827.67	Σ 3	7.0 *yel.*
9892	♅ VI. 38	64 *Draconis*	0 12	64 29	....	120±	....	1780.75	♅	
9893	H 1475	....	0 16	40 56	271.0	5±	11 ...13	1828+	H	
9894	OΣ (App) 198	L 38426	0 17	7 13	186.2	65.24	6.8... 7.3	1875.17	Δ 4	
9895	H 1478	....	0 18	43 40	220±	4±	11 = 11	1828+	H	"P est. from diagram"
9896	See 406	O. Arg. S. 20244	0 23	−19 55	1.2	2.73	7.9...10.8	1897.75	See 1	
9897	H 1480	DM (54°) 2280	0 27	54 56	98.0	12±	9–10...13	1828+	H	"A star 8 m. *nf*"
9898	H 1473	DM (26°) 3785	0 29	26 56	143.3	7±	10–11 = 10–11	1828+	H	
9899	H 902	DM (1°) 4201	0 31	1 47	30±	6±	10 = 10	1820+	H	
9900	H 1474	....	0 32	29 50	350.4	8±	10 ...11	1828+	H	
9901	H 903	....	0 46	10 13	355±	4±	13 ...14	1820+	H	
9902	H Σ	DM (38°) 3895	0 47	38 21	41.9	4.90	9 ...10	1889.71	H Σ 1	
9903	H 1479	W^2 XIX^h. 1986	0 47	25 15	1.5	30±	9 ...12	1828+	H	
9904	H 1476	DM (12°) 4223	0 52	12 32	79.0	8±	10 ...11–12	1828+	H	
9905	H 1477	L 38450	0 55	12 20	265.0	12±	8 ...12	1828+	H	
9906	A 381	A. G. Bonn 13738	1 0	40 24	283.0	0.76	8.8...10.8	1902.84	A 3	(*Bul. L. O.* No. 29)
9907	OΣ (App) 200	P XIX^h. 1, 3	1 1	64 18	338.2	96.65	6.7... 8.0	1875.75	Δ 2	
9908	β 428	DM (12°) 4226	1 5	12 36	343.7	0.56	7.2... 8.5	1876.49	Δ 5	
9909	Sh 316	L 38502	1 8	35 16	324.0	69.48	8 ... 9	1823.62	Sh 2	
9910	Ku 58	DM (49°) 3180	1 12	49 18	187.3	2.87	9.5... 9.7	1901.62	Ku 2	Kustner (3821)
9911	H 904	DM (10°) 4176	1 14	10 14	315±	18±	9 ...11	1820+	H	8.3 m. in DM
9912	A 609	A. G. Leip. II. 9820	1 16	7 39	144.4	0.31	9.2... 9.4	1903.62	A 4	(*Bul. L. O.* No. 50)
9913	Σ 2632 *rej.*	....	1 17:	64 7:	....	Cl. IV	8–9...11	....	Σ	
9914	Espin 86	....	1 18:	35 37	288.5	11.5	9.0...10.0	1901	Es	A and B } (*A. N.* 3784)
					163.2	4.2	10 ...11.5	1901	Es	B and C
					79.0	11.7	...12.0	1901	Es	A and D
					318.2	14.8	...11.0	1901	Es	A and F
9915	♅ IV. 34	DM (−1°) 3896	20 1 26	− 0 57	....	30±	....	1781.56	♅	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9916	β 429	L 38520	20^h 1^m 27^s	35°27′	61°.3	6″.47	7.0...12	1876.80	β 1	A and B
					25.8	7.75	...11.0	1876.73	Δ 2	A and C
					106.8	28.15	...11.5	1876.73	Δ 2	A and E
					300.7	11.11	... 9.5	1876.73	Δ 2	A and D
					28.2	35.98	... 7.7	1876.73	Δ 2	A and F
					113.0	10.12	...12	1876.80	β 1	F and G
9917	H 905	DM (10°) 4178	1 29	10 14	170±	9±	10 ...12	1820+	H	8.7 m. in DM
9918	H 2931	....	1 31	17 42	317.0	3±	12 ...12–13	1830+	H	"A third near"
9919	Espin 25	DM (35°) 3957, 3956	1 31	35 25	118.7	9.0	...14.1	1899.64	Es 1	A and B
					299.4	11.34	...13.8	1899.63	Es 2	A and C
					236.6	20.16	7 ... 9	1823.61	Sh 4	A and D
9920	H 2930	....	1 42	3 7	162.1	18±	10 ...10	1830+	H	
9921	Σ 2627	DM (4°) 4350	1 44	4 26	23.2	1.96	9.0...11.5	1829.37	Σ 3	
9922	H.C.Wilson 18	....	1 45	−23 2	315.0	20.97	7.5... 8.0	1883.67	W 1	
9923	H 1481	DM (48°) 3024	1 47	49 3	8.4	12±	11 = 11	1828+	H	A and B
					268.0	20±	...11	1828+	H	A and C
9924	Σ 2629 *rej.*	W^2 XIX^h. 2025	1 50	15 44	187.8	8.98	7.2...10.3	1874.87	Δ 3	(= β 58)
9925	Σ 2631	P XIX^h. 415	1 57	20 45	342.1	4.45	8.0... 9.4	1830.83	Σ 4	8.0 *yel'sh*
9926	Σ 2628	*Aquilae* 227	2 3	9 3	348.9	4.48	6.1... 8.2	1830.58	Σ 5	*Yel'sh wh.: purple*
9927	A 278	DM (34°) 3874	2 8	34 34	293.8	1.48	8.5...12.7	1901.53	A 4	
9928	Hn 37	SD (4°) 5026	2 12	− 4 1	313.6	3.06	8.6...11.4	1881.67	β 3	
9929	Σ 2647	L 38855	2 15	79 7	83.1	8.60	8.5... 9.5	1832.28	Σ 2	*White*
9930	Hu 80	SD (19°) 5724	2 20	−19 46	4.5	2.57	8.5...10.2	1899.65	Hu 1	(*A. J.* 480)
9931	A. G. 246	A. G. Lund 9025	2 25	39 53	....	....	9.0...	....	....	
9932	A 279	A. G. Camb. 10868	2 47	26 25	32.9	1.18	8.8...14.2	1901.76	A 3	
9933	OΣ 398	W^2 XX^h. 29	2 53	35 22	84.6	0.90	7.3... 9.8	1846.42	OΣ 3	A and B
					132.6	5.28	...14.8	1901.64	A 2	A and C
9934	H 1482	DM (12°) 4235	3 10	12 47	120.0	5±	9–10...12	1828+	H	
9935	Σ 2640	DM (63°) 1593	3 14	63 33	27.3	4.92	6.0... 9.9	1832.66	Σ 4	6.0 *very wh.*
9936	Σ 2633	L 38593	3 16	32 14	102.5	11.57	8.0...11.0	1831.85	Σ 2	8.0 *very wh.*
9937	H 2934	DM (59°) 2174	3 23	59 4	318.4	3±	10 ...13	1830+	H	
9938	H 2932	DM (17°) 4232	3 31	17 44	132.1	12±	10 ...11	1830+	H	"Quadruple"
					211.1	12±	...14	1830+	H	
					355.0	14±	...16	1830+	H	
9939	β 470	O. Arg. N. 20079	3 41	63 25	214.8	2.40	9.5...11.0	1877.69	Δ 2	
9940	Hu 354	DM (17°) 4233	3 49	18 1	18.7	0.56	8.8...13.0	1901.69	Hu 3	(*Bul. L. O.* No. 12)
9941	A. G. 247	DM (24°) 4017	3 50	24 59	....	....	8.6...	....	....	
9942	Da 12	....	3 55:	28 21:	90±	12±	8 ...12	....	Da	
9943	A 382	A. G. Bonn 13793	3 56	42 2	85.1	1.29	6.9...10.3	1902.79	A 3	(*Bul. L. O.* No. 29)
9944	Σ 2642	P XX^h. 30	3 57	63 21	165.2	2.45	8.7... 8.7	1832.51	Σ 3	*Yel'sh wh.*
9945	H 606	W^2 XX^h. 87, 90	3 57	37 47	230±	60±	9 ... 9½	1820+	H	
9946	A 383	A. G. Bonn 13794	3 57	41 41	234.8	0.28	9.5... 9.5	1902.86	A 2	(*Bul. L. O.* No. 29)
9947	Hu 355	DM (19°) 4299	3 59	19 43	351.9	1.07	9.0...13.0	1901.67	Hu 3	(*Bul. L. O.* No. 12)
9948	H 2933	DM (1°) 4219	4 6	1 42	27.6	15±	9–10...10	1830+	H	
9949	Σ 2634	W^2 XX^h. 70	4 6	16 27	13.7	6.43	8.0... 9.5	1830.12	Σ 3	*Yel'sh wh.: blue*
9950	Σ 2635	*Aquilae* 231	4 19	8 6	78.5	7.30	7.0...10.5	1828.13	Σ 3	7.0 *yel.*
9951	Ho 119	W^1 XX^h. 37	4 27	−13 13	199.7	3.29	8.7... 8.7	1883.68	Ho 2	
9952	Σ 2638 *rej.*	W^2 XX^h. 110	4 30	33 18	74.7	16.68	8.5... 9.3	1902.49	β 2	
9953	H 1484	SD (15°) 5576	4 31	−15 51	335.9	6±	10 ...13	1828+	H	8.5 m. in SD
9954	S 737	W^2 XX^h. 101	4 39	20 39	129.4	101.07	8 ...10	1824.68	S 2	
9955	Σ 2637	*θ Sagittae*	4 39	20 33	326.7	11.40	6.0... 8.3	1832.82	Σ 8	A and B *Yel'sh wh.:*
					226.6	70.70	... 7.1	1832.82	Σ 8	A and C *ash: yel.*
9956	Σ 2639	W^2 XX^h. 121	4 42	35 8	303.5	5.52	7.7... 8.7	1830.26	Σ 3	*Yel'sh wh.: ashy wh.*
9957	H 1487	DM (40°) 4035	4 48	40 23	290.2	6±	10 ...13	1828+	H	
9958	H 1485	W^2 XX^h. 126	4 57	33 3	276.2	3±	9–10...10	1828+	H	
9959	♅ VI. 59	....	20 5 :	36 39:	....	73±	....	1781.76	♅	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
9960	♅ VI. 27	*θ Aquilae*	$20^h\ 5^m\ 7^s$	− 1°11′	....	60″±	....	1780.64	♅	
9961	S 735	P XX^h. 11	5 9	− 0 29	202°2	54.67	7½... 8	1825.01	S 3	
9962	♅ VI. 92	W^1 XX^h. 56	5 9	−12 26	267.9	62.27	....	1783.18	♅ 1	
9963	β 833	L 38625	5 11	− 6 30	63.7	2.30	8.8...11.7	1881.74	β 2	B and C
					63.5	118.58	8.4...	1881.74	β 2	A and B
9964	A 384	A. G. Berlin 7526	5 19	24 18	355.2	1.15	9.0...10.8	1902.78	A 3	(*Bul. L. O.* No. 29)
9965	H 2936	DM (58°) 2058	5 19	58 47	254.7	12±	9–10... 9–10	1830+	H	8.5 m. in DM
9966	Σ 2636	W^1 XX^h. 69	5 20	− 4 57	201.8	12.51	8.2... 9.2	1827.24	Σ 2	
9967	H 1486	....	5 22	10 49	232.0	7±	11 = 11	1828+	H	
9968	See 409	....	5 30:	−20 36:	29.6	5.23	8.9...11.8	1897.80	See 1	
9969	H 906	....	5 33	1 24	165±	6±	....	1820+	H	A and B
					350±	12±	....	1820+	H	A and C
9970	Espin 87	DM (36°) 3917	5 44	36 23	301.5	8.9	8.4... 9.0	1901	Es	(*A. N.* 3784)
9971	β 1205	L 38649	5 47	− 8 27	50.0	0.56	8.1... 9.4	1890.65	β 3	
9972	Σ 2641	L 38676	5 53	3 27	170.1	20.34	7.5...11.2	1827.76	Σ 2	*7.5 yel'sh*
9973	β 150	W^2 XX^h. 176	5 56	33 17	187.1	1.66	8.1...10.0	1875.45	Δ 4	B and C (=OΣ 541)
					110.3	41.15	7.0...	1875.76	Δ 3	A and B
9974	H 1488	....	5 58	45 26	278.0	4±	10–11=10–11	1828+	H	
9975	Σ 2650 *rej.*	O. Arg. N. 20152	6 0	65 58	....	Cl. IV	8 ...11	....	Σ	
9976	Ho 587	W^2 XX^h. 167	6 1	21 0	63.5	13.20	8 ...12	1897.70	Ho 2	(*A. N.* 3557)
9977	A 281	DM (34°) 3899	6 2	34 31	171.8	3.72	8.7... 9.0	1901.50	A 2	
9978	Σ 2645	DM (51°) 2781	6 11	51 19	136.9	1.49	8.0... 8.3	1831.74	Σ 3	*Very wh.*
9979	OΣ 400	L 38758	6 15	43 35	334.9	0.64	7.2... 8.2	1845.73	OΣ 3	*Reddish*
9980	OΣ 399	L 38747	6 17	36 41	278.8	4.50	7.2... 9.8	1846.76	OΣ 4	*7.2 red*
9981	Doo 13	DM (40°) 4045	6 24	40 51	257.7	2.82	8.6... 8.9	1900.63	Doo 2	(*Pub. Flower Obsy.* I)
9982	Σ 2644	P XX^h. 26	6 28	0 31	207.6	3.34	7.1... 7.4	1830.79	Σ 4	*Very wh.*
9983	Σ 2643	SD (3°) 4817	6 31	− 3 21	70.6	3.21	7.0... 9.5	1830.91	Σ 6	*7.0 wh.*
9984	H 5180	Cord. DM (28°) 16507	6 36	−28 30	221.3	4±	10 ...11	1834.6	H	
9985	H 2935	Cord. DM (26°) 14870	6 39	−26 52	213.9	12±	9–10...12	1830+	H	
9986	H 907	DM (20°) 4468	6 43	20 38	130±	5±	10 ...11	1820+	H	
9987	β 430	DM (35°) 4008	6 48	35 28	18.7	1.10	9.3...10.2	1877.30	Δ 3	A and B
					51.3	17.09	... 9.2	1877.61	Δ 2	AB and C
9988	H 1490	....	6 51	35 30	359.8	2±	11 ...13	1828+	H	
9989	β 982	DM (25°) 4146	6 51	26 1	51.0	0.87	8.8...10.0	1880.47	β 2	
9990	Doo 14	DM (25°) 4147	6 53	25 32	260.4	1.86	9.2...10.0	1900.69	Doo 2	(*Pub. Flower Obsy.* I)
9991	Σ 2648	O. Arg. N. 20161	6 54	49 28	116.1	6.17	7.9... 9.2	1831.45	Σ 4	*7.9 yel'sh wh.*
9992	H 1491	....	6 56	41 9	301.6	2½	10 = 10	1828+	H	
9993	H 5511	....	7 ±	−15 43	140±	....	12 ...13	1823+	H	
9994	Σ 2652	DM (61°) 1975	7 3	61 43	280.3	0.32	7.3... 7.6	1832.62	Σ 3	*White*
9995	H 2938	DM (6°) 4474	7 5	7 0	155.5	15±	9 ...11–12	1830+	H	8.8 m. in DM
9996	H 908	DM (9°) 4442	7 7	9 38	340±	12±	10 ...12	1820+	H	
9997	Espin 132	DM (56°) 2364	7 12	56 36	260.7	5.3	8.6... 8.7	1902	Es 3	A and B (*M. N.* LXIII, 172)
					60.7	37.8	... 8.6	1902	Es 3	A and C
9998	See 411	O. Arg. S. 20331	7 13	−20 36	4.9	2.57	8 ...13.9	1897.75	See 1	
9999	A. G. 248	A. G. Alb. 7036	7 18	1 7	358.1	3.04	8.5...10.0	1902.60	Cg 2	
10000	H 2937	SD (15°) 5589	7 19	−15 17	91.0	3±	10–11..12	1830+	H	
10001	Ho 120	DM (34°) 3907	7 22	34 14	113.8	1.01	9.0...11.5	1882.69	Ho 2	
10002	A 282	W^2 XX^h. 243	7 25	34 7	206.2	0.21	7.6... 7.8	1901.41	A 3	A and B
					17.8	21.43	7.0...12.5	1884.71	Ho 2	AB and C
					14.5	41.56	...12.0	1889.43	β 2	AB and D
10003	Doo 15	DM (25°) 4149	7 28	25 17	201.8	127.82	7.5...	1900.67	Doo 1	A and B (*Pub. Flower Obsy.* I)
					168.0	2.06	9.0...10.7	1900.69	Doo 2	B and C
10004	H 2939	O. Arg. S. 20332	7 30	−16 58	182.3	7±	9 ...11–12	1830+	H	"Neat"
10005	Σ 2649	DM (31°) 3988, 3989	7 34	31 43	152.3	26.08	7.7... 8.8	1832.20	Σ 3	*Yel'sh wh.: ashy*
10006	H 909	....	20 7 37	− 4 25	130±	9±	10 ...11	1820+	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10007	**A. G. 249**	**A. G. Leiden** 8045	20^h 7^m 43^s	34°29′	132°5	34″36	8.6...10.4	1902.56	β 2	
10007½	....	**L** 38760	7 49	− 1 14	80.4	64.07	7.1... 8.5	1901.55	β 2	
10008	**OΣ 401**	**W^2 XX^h.** 265	7 51	38 5	57.6	14.25	7.2...10.5	1847.45	OΣ 3	
10009	**Σ 2646**	*Aquilae* 241	8 1	− 6 25	51.6	24.70	7.0... 8.8	1829.42	Σ 3	7.0 *wh.*
10010	**H 1492**	**DM** (28°) 3668	8 1	28 51	58.8	15±	....	1828+	H	
10011	**Σ 2651**	**DM** (15°) 4097	8 15	15 48	279.9	1.59	8.0... 8.0	1830.08	Σ 3	*White*
10012	**S 740**	**P XX^h.** 43, 44	8 18	6 14	192.8	43.89	7 ... 7	1824.67	S 2	
10013	**A. G. 250**	**A. G. Leiden** 8057	8 19	34 7	53.3	8.47	8.8...10.0	1902.55	β 2	
10014	**Arg. 36**	**O. Arg. N.** 20205	8 21	56 56	129.1	7.86	8.7... 9.2	1902.51	β 2	
10015	**H 2941**	**DM** (19°) 4329	8 25	20 0	110.7	4±	10–11..11	1830+	H	"Neat"
10016	**OΣ (App) 203**	**DM**(33°) 3807, 3809	8 29	33 51	37.5	90.68	8.0... 8.7	1876.31	Δ 3	
10017	**Σ 2653**	**DM** (23°) 3935	8 31	23 52	255.4	2.45	7.0...10.1	1831.51	Σ 4	7.0 *yel'sh wh.*
10018	**H 1494**	....	8 32	11 40	3.0	3±	10 ...11	1828+	H	
10019	**Hn 157**	**Lam.** 477	8 35	−24 34	235.4	2.42	9.3...10.0	1888.72	Com 3	
10020	**H 2940**	**SD** (19°) 5757	8 48	−19 11	141.4	12±	10 ...12	1830+	H	"Triple"
					265.6	25±	...10	1830+	H	
10021	**H 1493**	**SD** (14°) 5687	8 50	−14 44	339.8	7±	10 ...13	1828+	H	
10022	**Σ 2655**	**DM** (21°) 4109	8 50	21 52	3.0	6.09	7.5... 7.5	1831.21	Σ 5	*White*
10023	**Σ 2654**	**W^1 XX^h.** 165	8 54	− 3 52	233.9	13.90	6.2... 7.7	1831.44	Σ 5	*White*
10024	**A 723**	**A. G. Bonn** 13912	9 6	44 11	170.7	0.56	8.0...10.0	1904.39	A 3	
10025	**A. Clark 17**	*Cygni* 153	9 11	51 6	80.2	3.85	6 ...11½	1859.61	Da 1	
10026	**Hd Zones**	**DM** (0°) 4453	9 15	0 21	259.2	1.2±	9.0...10.0	1879.46	Cin 1	A and B
					276.8	31.17	...10.0	1879.46	Cin 1	A and C
10027	**β 762**	**Lac.** 8392	9 19	−32 59	303.3	2.49	7.7... 8.0	1877.65	Cin 2	
10028	**OΣ 402**	**L** 38853	9 24	24 29	33.7	15.25	7.1...10.6	1849.68	OΣ 4	
10029	**H 910**	**L** 38842	9 29	2 29	319.7	13.58	8.0...13	1881.45	β 1	A and B
					249.0	27.34	...12.7	1881.48	β 2	A and C
10030	**A 385**	**A. G. Bonn** 13919	9 32	40 29	257.2	2.62	9.5... 9.7	1902.79	A 2	(*Bul. L. O.* No. 29)
10031	**β 660**	**B. A. C.** 6963	9 40	43 1	318.1	9.44	7.0...13.5	1878.65	β 1	(See p. 1082)
10032	**Ho 589**	**W^1 XX^h.** 183	9 42	− 8 6	324.5	15.30	8 ...12	1895.75	Ho 2	(*A. N.* 3557)
10033	**β 294**	3 *Capricorni*	9 44	−12 42	177.9	8.17	13.0...13.5	1891.64	β 2	B and C
					36.2	27.14	5.7...	1891.64	β 2	A and B
10034	**A 386**	**A. G. Albany** 7048	9 44	4 18	90.8	2.44	9.0...14.2	1902.75	A 2	(*Bul. L. O.* No. 29)
10035	**Σ 2656**	*Aquilae* 250	9 46	7 26	232.3	9.92	7.0...11.7	1827.52	Σ 3	7.0 *yel'sh*
10036	**Σ 50, App. I**	o^2 *Cygni*	9 51	46 23	332.8	20±	...17	1828+	H	A and B
					174.0	106.85	3.7... 6.5	1836.18	Σ 6	A and C A *very yel.:* CD *blue*
					323.7	337.83	... 5.0	1835.95	Σ 6	A and D
10037	**Ho 122**	**DM** (28°) 3677	9 56	28 18	72.5	1.07	9.0... 9.7	1886.24	Ho 2	
10038	**H 2942**	....	9 58	−25 37	210.7	10±	10 = 10	1830+	H	"Neat"
10039	**See 412**	**L** 38839	10 5	−21 38	210.2	25.86	6.3...15	1897.78	See 2	*Blood-red* (*A. J.* 432)
10040	**β 983**	**B. A. C.** 6966	10 11	25 14	154.9	0.86	6.1...10.2	1879.86	β 3	
10041	**OΣ 403**	**L** 38938	10 13	41 44	173.0	0.60	7.0... 7.2	1848.10	OΣ 5	A and B
					33.2	11.83	... 9.5	1848.10	OΣ 5	AB and C
10042	**Σ 2660**	**O. Arg. N.** 20266	10 27	64 9	167.5	22.01	8.2... 9.0	1831.66	Σ 2	*Wh.: ash*
10043	**H 2943**	....	10 27	−12 50	87.0	3±	11 ...12	1830+	H	"A third near"
10044	**Σ 2658**	**DM** (52°) 2657	10 29	52 45	126.9	5.49	7.0... 9.1	1831.62	Σ 4	A and B 7.0 *yel'sh wh.:* 9.1 *blue*
					216.8	32.07	...10.2	1832.14	Σ 3	A and C
10045	**Espin 27**	**DM** (46°) 2886	10 32	46 30	338.0	3.86	9.4... 9.5	1899.62	Es 4	(*A. N.* 3717)
10046	**Hu 268**	**SD** (15°) 5609	10 34	−15 32	29.9	3.11	9.3... 9.3	1900.66	Hu 3	(*A. J.* 494)
10047	**β 59**	**W^1 XX^h.** 213	10 36	4 45	118.8	8.79	9.1...11.0	1875.66	Δ 4	
10048	**H 2944**	**DM** (59°) 2200	10 39	60 1	184.4	30±	8–9...11	1830+	H	8.3 m. in DM
10049	**A 283**	**L** 38943	10 44	33 22	295.9	2.48	6.0...14.0	1901.41	A 3	
10050	**Ho 123**	**SD** (16°) 5552	10 55	−16 12	215.3	2.70	9.0... 9.0	1885.23	Ho 2	
10051	**A 387**	**A. G. Bonn** 13945	10 56	40 56	151.6	4.89	7.7...13.6	1902.82	A 2	(*Bul. L. O.* No. 29)
10052	**Ḫ N. 127**	....	20 11 ±	−12 55	....	II–III	....	1801.67	Ḫ	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10053	**A 389**	A. G. Camb. 11065	$20^h\ 11^m\ 0^s$	26°41′	210°.5	1″.50	9.3... 9.6	1902.77	A 3	(*Bul. L. O.* No. 29)
10054	**β 295**	α^1 *Capricorni*	11 0	−12 53	181.9	43.46	4 ...13.5	1891.83	β 2	A and B
					221.1	44.32	... 9.0	1879.49	β 3	A and C
10055	**A 388**	A. G. Bonn 13950	11 2	42 27	35.5	0.68	9.5... 9.5	1902.86	A 2	(*Bul. L. O.* No. 29)
10056	**A 390**	A. G. Bonn 13955	11 13	40 8	324.3	0.68	8.4...11.0	1902.86	A 2	(*Bul. L. O.* No. 29)
10057	**A.G.Clark 12**	α^2 *Capricorni*	11 24	−12 55	144.1	6.36	3 ...	1846.72	Mh 13	A and BC
					242.5	1.15	12 ...13	1877.93	Hl 4	B and C
10058	**Σ 51, App. I**	α^2 and α^1 *Capricorni*	11 24	−12 55	291.4	374.50	3.2... 4.2	1835.70	Σ 5	*Yel.*
10059	**Σ 2659**	W^2 XX^h. 403	11 38	43 17	317.9	2.89	8.1... 9.9	1831.98	Σ 4	A and B 8.1 *wh.*
					252.6	20.23	... 9.4	1831.98	Σ 4	A and C
10060	**S 743**	32 *Cygni*	11 46	47 21	175.6	208.49	5 ... 9	1824.66	S 2	
10061	**A. G. 251**	DM (5°) 4469	11 51	5 49	187.4	9.02	8.6...10.0	1894.94	Lp	
10062	**H 5512**	....	12 1	8 39	....	....	11 ...	1827.6	H	
10063	**β 442**	W^2 XX^h. 417	12 4	37 13	104.1	18.47	8.0... 8.5	1876.77	β 1	A and B
					48.6	17.69	... 8.5	1876.77	β 1	B and C
					157.5	4.40	....	1876.77	β 1	A and *a*
					156.7	9.01	....	1888.60	β 1	A and *b*
					332.5	19.55	....	1876.77	β 1	A and *c*
					128.1	3.68	...14	1898.76	β 1	B and *d*
					164.3	8.12	....	1876.77	β 1	B and *e*
					110.3	12.65	....	1898.60	β 1	C and *f*
					116.2	20.83	....	1898.60	β 1	C and *g*
					306.1	15.57	....	1898.60	β 1	C and *h*
10064	**Ho 588**	W^2 XX^h. 411	12 7	31 8	15.0	8.19	8.3...12	1896.12	Ho 3	B and C (*A. N.* 3557)
					298.7	51.03	6.5... 8.3	1896.24	Ho 2	A and B
10065	**H 911**	SD (3°) 4842	12 8	− 3 7	130±	12±	10 ...10+	1820+	H	9.1 m. in SD
10066	**Ho 455**	DM (53°) 2375	12 9	53 47	87.7	31.98	7.0...11.0	1889.76	Ho 1	A and B
					190.4	2.68	...11.0	1889.76	Ho 1	B and C
					256.3	32.27	...11.0	1889.76	Ho 1	A and D
					76.2	36.66	...10.0	1889.76	Ho 1	A and E
10067	**A 284**	DM (32°) 3766	12 13	32 12	259.1	0.40	9.1... 9.5	1901.52	A 3	
10068	**Hu 356**	SD (12°) 5686	12 17	−12 24	91.0	0.72	9.4... 9.5	1901.28	Hu 3	(*Bul. L. O.* No. 12)
10069	**Ho 590**	DM (39°) 4112	12 20	39 17	202.0	2.86	8.5...11.5	1895.73	Ho 2	A and B (*A. N.* 3557)
					83.0	26.28	...13	1895.73	Ho 2	A and C
10070	**Sh 380**	σ *Capricorni*	12 28	−19 30	176.4	53.70	6 ...12	1823.69	Sh 1	
10071	**Σ 2663**	W^2 XX^h. 435	12 30	39 20	324.9	5.27	8.0... 8.5	1831.15	Σ 3	*White*
10072	**β 984**	DM (25°) 4184	12 31	26 0	204.1	0.86	7.9... 8.2	1880.47	β 2	
10073	**Ho 591**	....	12 33	27 31	296.7	1.96	9.5...10	1897.71	Ho 2	(*A. N.* 3557)
10074	**OΣ 404** *rej.*	L 39063	12 34	52 8	114.2	29.93	7.0... 9.5	1867.38	Δ 3	
10075	**Hu 585**	DM (50°) 3038	12 34	50 46	49.8	4.81	8.8...10.0	1902.54	Hu 3	(*Bul. L. O.* No. 27)
10076	**β 441**	L 39013	12 37	28 46	65.4	5.87	7.0...11.5	1876.80	β 1	
10077	**β 661**	*Cygni* 166	12 39	40 0	67.0	12.60	6.2...12.5	1878.52	β 2	
10078	**H 2945**	....	12 40	6 41	66.0	4±	13 = 13	1830+	H	
10079	**H 2946**	....	12 41	17 10	226.6	12±	10–11..11	1830+	H	
10080	**Hu 357**	DM (17°) 4282	12 49	17 57	197.0	1.87	7.5...12.6	1901.68	Hu 3	(*Bul. L. O.* No. 12)
10081	**Σ 2662**	DM (10°) 4241	12 50	10 37	38.9	1.72	8.2...11.0	1831.02	Σ 4	8.2 *wh.*
10082	**Howe 53**	Yar. 8800	12 51	−29 30	188.8	4.27	9.0... 9.0	1877.66	Cin 1	
10083	**H 2947**	....	12 55	21 0	241.0	3±	11 ...11+	1830+	H	
10084	**H 912**	....	12 55	19 39	85±	2±	11 ...11+	1820+	H	
10085	**Σ 2675**	κ *Cephei*	12 56	77 21	124.1	7.37	4.0... 8.0	1832.38	Σ 3	*Greenish wh.: blue*
10086	**H 5188**	B. A. C. 6984	12 58	−29 36	70.5	4±	7½...10	1834.6	H	A and B
					324.7	25±	... 8	1834.6	H	A and C
10087	**H 1500**	DM (33°) 3843	13 1	33 9	110.8	10±	10 ...12	1828+	H	
10088	**H 1498**	....	13 9	10 50	209.0	10±	10 ...11	1828+	H	"Unless P=29°.0"
10089	**See 414**	Cord. G. C. 27849	20 13 9	−27 33	51.9	2.41	8.5... 9.1	1897.72	See 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10090	β 985	W² XXʰ. 448	20ʰ 13ᵐ 12ˢ	25°16′	148°7	5″03	7.5...13.5	1880.66	β 3	A and B
					63.7	9.83	...13.0	1898.83	A 2	C and D
					356.0	21.39	...10.3	1880.66	β 3	A and C
10091	Barnard 11	DM (32°) 3773	13 18	32 49	199.9	0.26	9.0... 9.5	1898.34	Bar 3	A and B
					258.1	2.82	...13	1898.20	Bar 5	AB and C
10092	Hu 358	SD (11°) 5300	13 24	−11 31	95.5	0.47	9.1...10.5	1901.61	Hu 3	(*Bul. L. O.* No. 12)
10093	Kr 49	A. G. Hels. 11231	13 29	55 20	114.3	1.83	9.5... 9.7	1890.77	β 1	
10094	A. G. 252	A. G. Lund 9222	13 31	39 33	126.9	10.61	9.0... 9.1	1902.62	β 2	
10095	A 285	A. G. Berlin 7628	13 33	21 19	298.7	2.68	8.8...12.3	1901.41	A 2	
10096	Σ 2667	O. Arg. N. 20335	13 37	45 16	225.7	8.07	8.2... 8.5	1830.82	Σ 2	*Very wh.*
10097	Σ 2661	L 39016	13 38	− 2 37	342.4	24.33	7.5... 8.7	1828.95	Σ 4	*White*
10098	H 1501	DM (28°) 3699	13 42	28 10	359.5	5±	10 ...11	1828+	H	A and B “Double-double”
					2.3	....	....	1828+	H	C and D
10099	Σ 2665	DM (13°) 4356	13 46	14 0	17.2	3.14	6.5... 9.2	1829.79	Σ 3	6.5 *wh.*
10100	Σ 2666	*Cygni* 172	13 52	40 21	242.0	2.73	6.5... 8.7	1831.16	Σ 3	*Very wh.: bluish*
10101	H 913	....	13 57	2 46	277±	4±	10 ...10+	1820+	H	H (V) 280°9: 8″±: 11...11
10102	Σ 2664	DM (12°) 4291	14 0	12 38	322.5	27.69	7.7... 8.2	1829.07	Σ 3	*White*
10103	OΣ 405	W² XXʰ. 481	14 0	32 53	152.6	0.61	7.7... 8.7	1846.43	OΣ 3	
10104	Lamont 5	*ν Capricorni*	14 0	−13 8	28.0	56.33	....	1836	Mu 1	
10105	β 662	SD (20°) 5904	14 0	−19 59	300.6	1.61	9.0...11.7	1898.74	Cg 3	
10106	Barnard 12	*β¹ Capricorni*	14 2	−15 10	105.8	0.85	6.0...10.0	1884.59	β 3	
10107	A 391	DM (24°) 4086	14 3	24 18	274.6	0.76	9.0...10.7	1902.78	A 3	(*Bul. L. O.* No. 29)
10108	H 2951	DM (39°) 4001	14 9	39 33	126.3	12±	9–10...10	1830+	H	
10109	A 286	W² XXʰ. 491	14 10	34 44	128.7	0.16	9.0... 9.0	1901.76	A 3	A and B AC = β 986
					242.1	4.41	8.1...11.4	1880.51	β 5	AB and C
10110	H 2949	....	14 15	7 57	312.2	4±	11 ...12	1830+	H	
10111	H 2948	....	14 15	−15 10	322.2	3±	17 ...18	1830+	H	
10112	Σ 52, App. I	*β² and β¹ Capricorni*	14 16	−15 10	267.2	204.97	2.5... 6.0	1835.70	Σ 5	*Very yel.: blue*
10113	Schj. 25	L 39053	14 20	− 8 7	219.9	2.73	8.7... 9.5	1875.51	Δ 4	
10114	H 2950	DM (17°) 4291	14 32	17 10	290.8	12±	10 ...11	1830+	H	
10115	β 1206	L 39115	14 36	36 23	3.0	1.90	7.8...10.8	1890.52	β 3	
10116	Ho 125	DM (38°) 4003	14 36	38 38	194.6	2.80	7.0...11.3	1885.45	Ho 3	
10117	Hu 359	DM (18°) 4460	14 38	18 26	30.9	0.32	9.5... 9.5	1901.64	Hu 4	(*Bul. L. O.* No. 12)
10118	Ho 124	W² XXʰ. 514	14 43	42 21	1.2	0.80	8.3...11.0	1886.85	Ho 2	
10119	H 1503	DM (41°) 3699	14 46	42 4	82.0	10±	10 ...11	1828+	H	
10120	A. G. 253	A. G. Lund 9257	14 46	36 13	118.5	9.52	8.6... 8.8	1902.62	β 2	
10121	Ho 126	DM (38°) 4007	14 54	38 36	146.7	2.89	9.7... 9.7	1886.81	Ho 2	
10122	Arg. 37	O. Arg. N. 20360	14 56	44 59	88.9	6.81	7.0... 8.0	1879.61	Cin 1	
10123	H 1502	....	14 57	12 3	327.3	5±	10 ...12	1828+	H	
10124	H 2952	DM (23°) 3974	14 58	24 2	275.0	15±	9 ...13	1830+	H	
10125	Hu 360	DM (16°) 4227	15 1	16 11	136.7	0.22	9.3... 9.3	1901.75	Hu 3	(*Bul. L. O.* No. 12)
10126	Kr 50	A. G. Hels. 11252	15 1	56 55	310.7	2.21	9.0... 9.5	1890.75	β 1	
10127	See 416	O. Arg. S. 20435	15 6	−28 4	63.3	1.00	9 ... 9	1897.66	See 1	A and B
					254.4	27.30	...13	1897.66	See 1	AB and C
10128	Hn 158	Lam. 7462	15 14	2 28	16.3	1.27	9.5...10.0	1888.71	Com 3	
10129	Ho 277	SD (8°) 5330	15 14	− 8 8	70.4	2.82	8.3...12.7	1888.75	Ho 2	
10130	H 2953	W¹ XXʰ. 342	15 16	8 14	260.4	18±	9 ...16	1830+	H	
10131	H N. 138	SD (17°) 5954	15 23	−17 10	330.6	2.93	8.0... 8.5	1878.72	β 1	
10132	H 914	....	15 24	− 1 11	89±	15±	11 ...11	1820+	H	
10133	Arg. 38	O. Arg. S. 20438	15 25	−20 37	267.6	17.92	9.8...10.0	1879.60	Cin 2	
10134	β 431	W² XXʰ. 530	15 25	35 53	220.8	0.56	8.5... 8.8	1877.33	Δ 6	
10135	Σ 2671	DM (54°) 2329	15 27	55 1	341.1	2.99	6.0... 7.4	1831.11	Σ 4	*Wh.: ash*
10136	OΣ (App) 205	L 39156	15 30	40 46	319.2	45.45	7.0... 8.3	1875.51	Δ 3	
10137	H 2954	DM (19°) 4375	15 30	19 25	299.5	1½±	10–11..11	1830+	H	
10138	Ho 593	DM (39°) 4138	15 39	39 15	313.8	4.68	8.7...10.5	1895.68	Ho 2	(*A. N.* 3558)
10139	β 763	*κ² Sagittarii*	20 15 43	−42 48	211.2	1.33	6.0... 8.9	1889.47	β 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10140	Σ 2668	*Cygni* 176	$20^h\ 15^m\ 54^s$	39° 2′	293°.6	3″.30	7.0... 9.2	1831.14	Σ 3	*Yel'sh wh.: ash*
10141	OΣ 406	L 39177	15 54	44 59	136.3	0.54	7.1... 8.0	1845.81	OΣ 3	
10142	H 2956	....	15 59	58 17	258.4	2±	12 = 12	1830+	H	
10143	See —	L 39116	16 15	−18 43	108.8	2.43	8.0... 8.6	1897.75	See 2	
10144	Ho 456	Cord. G. C. 27925	16 18	−27 7	215.2	14.39	8.0...13.0	1889.76	Ho 2	
10145	H 2955	....	16 22	1 32	268.0	4±	11 ...13	1830+	H	
10146	β 1207	L 39198	16 25	43 28	217.8	5.76	7.7...13.5	1890.58	β 3	
10147	Σ 2672	W^2 XX^h. 552	16 25	23 23	278.4	1.07	8.7... 8.8	1831.80	Σ 3	*White*
10148	β 1259	W^2 XX^h. 563	16 27	30 13	171.9	0.47	8.3... 8.7	1891.65	β 3	
10149	β 1260	DM (55°) 2368	16 33	55 19	169.4	0.47	8.2...10.8	1891.57	β 3	
10150	Ho 127	W^2 XX^h. 577	16 35	39 6	89.6	1.59	8.5...13	1886.26	Ho 2	
10151	H N. 138	....	16 36:	−17 20:	....	Cl. I	....	1801.78	H	
10152	Espin 28	....	16 36	35 14	256.3	24.32	9.1... 9.8	1899.70	Es 1	"A very red." (*A. N.* 3717)
10153	H 2958	....	16 40	62 50	329.9	4±	11 ...12	1830+	H	
10154	Σ 2670	DM (15°) 4142	16 42	16 0	151.3	30.62	8.3... 8.7	1829.76	Σ 3	A and B } AB *yel.: wh.*
					77.7	16.45	...10.7	1829.76	Σ 3	B and C
10155	Σ 2669	DM (55°) 2374, 2372	16 56	55 45	260.3	23.25	8.3... 9.0	1832.14	Σ 3	*White*
10156	A 287	A. G. Bonn 14091	16 56	41 5	129.4	1.42	8.9...11.0	1901.92	A 3	
10157	See 418	Cord. DM (25°) 14744	17 0	−25 22	53.0	2.87	8.1... 9.2	1897.82	See 1	
10158	A 725	A. G. Bonn 14093	17 0	44 14	50.4	0.96	8.8... 9.8	1904.39	A 3	
10159	A 46	A. G. Bonn 14095	17 1	43 18	267.6	0.23	8.5... 8.7	1901.93	A 3	A and B
					264.3	1.86	...11.7	1901.90	A 3	AB and C
10160	Σ 2673	DM (12°) 4307	17 6	12 57	335.1	2.53	8.0... 9.5	1830.71	Σ 3	A and B } AC *wh.: yel'sh*
10161	Σ 2674	....	....	....	1.3	15.51	8.0...10.7	1829.62	Σ 2	C and D
					105.6	75.58	....	1829.62	Σ 2	A and C
10162	H 1505	W^2 XX^h. 603	17 10	43 12	110.8	15±	9 ...11	1828+	H	
10163	β 663	L 39260	17 19	53 13	313.6	6.58	6.3...15.2	1891.54	β 2	A and B
					75.2	7.67	...12.5	1891.53	β 3	A and C
10164	H 1504	W^2 XX^h. 600	17 28	25 55	239.7	12±	7 ...13	1828+	H	A and B
					250±	25±	...12	1828+	H	A and C
10165	H.C.Wilson 19	DM (5°) 4496	17 33	5 12	359.7	1.80	10.7...10.7	1893.39	W 3	
10166	Σ 2676	DM (26°) 3884	17 49	26 45	173.8	2.19	7.8...10.0	1831.50	Σ 3	7.8 *yel'sh*
10167	A 288	A. G. Berlin 7671	17 50	20 29	351.6	0.26	8.2... 8.4	1901.39	A 3	
10168	β 665	γ *Cygni*	17 55	39 52	305.1	1.41	10.0...11.0	1878.52	β 2	B and C
					196.5	140.44	2.3...	1878.52	β 3	A and BC
10169	H 915	....	17 59	− 4 31	330±	5±	11 ...15–16	1820+	H	A and B
					45±	15±	...11	1820+	H	A and C
10170	Σ 2677	P XX^h. 116	18 31	0 41	28.7	33.18	6.0...10.5	1828.47	Σ 3	
10171	H 1510	DM (47°) 3089	18 31	47 23	151.9	3±	10 = 10	1828+	H	
10172	H 2957	....	18 35	−24 4	....	15±	10–11..10–11	1830+	H	
10173	OΣ (App) 206	W^2 XX^h. 643	18 35	38 50	256.8	42.65	7.0... 8.4	1876.31	Δ 3	
10174	H 1506	W^2 XX^h. 637	18 35	35 18	199.5	6±	8–9...14	1828+	H	A and B
					191.1	20±	...12	1828+	H	A and C
10175	A 726	A. G. Bonn 14136	18 36	45 50	289.0	0.64	8.9... 9.8	1904.39	A 3	
10176	β 664	*Aquilae* 264	18 36	5 7	285.1	9.66	7.0...12.5	1878.62	β 1	
10177	H 1511	...	18 38	47 23	237.5	10±	11 ...12	1828+	H	
10178	H 2959	....	18 41	8 53	279.0	10±	9–10...11	1830+	H	
10179	A 289	A. G. Bonn 14137	18 43	42 20	156.3	3.59	8.3...11.3	1901.88	A 3	
10180	Ho 128	L 39300	18 47	42 36	34.6	0.95	6.3...11.0	1886.85	Ho 2	A and B
					63.1	96.41	6.5... 7.7	1876.29	Δ 3	A and C
10181	Hu 361	DM (18°) 4485	18 50	18 45	189.7	0.43	8.5...12.3	1901.64	Hu 3	(*Bul. L. O.* No. 12)
10182	Σ 2679	DM (19°) 4396	18 59	19 11	79.8	21.90	7.4... 8.7	1830.47	Σ 4	7.4 *wh*
10183	Lewis 34	....	19 :	42 45:	176.0	1.55	8 ... 9	1900.66	L 1	(*M. N.* LXI, 486)
10184	H 1507	....	19 2	14 15	67.0	5±	10 ...10–11	1828+	H	
10185	H 1508	....	19 3	14 20	70±	5±	....	1828+	H	
10186	H 1509	DM (9°) 4523	20 19 8	9 52	182.0	20±	9 ... 9–10	1828+	H	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10187	β 666	DM (53°) 2392	$20^h\ 19^m\ 9^s$	53°15′	124°7	2″00	9.0...12.0	1877.86	Δ 1	
10188	β 443	L 39293	19 12	28 37	134.3	12.98	7.5...11.5	1878.47	β 1	A and B
					87.4	35.22	...12.0	1878.47	β 1	A and C
10189	Σ 2680	DM (14°) 4284	19 14	14 29	289.0	15.84	8.3... 8.5	1829.42	Σ 3	*White*
10190	Howe 54	O. Arg. S. 20494	19 15	−27 1	54.5	2.59	8.1... 8.3	1889.75	Ho 2	
10191	Σ 2678	SD (8°) 5357	19 21	− 8 41	320.6	3.46	9.0... 9.2	1830.06	Σ 3	
10192	Ho 457	W^2 XX^h. 662	19 25	29 0	63.4	1.62	8.2... 8.2	1889.78	Ho 1	
10193	H 1512	....	19 25	28 38	166.5	4±	10–11=10–11	1828+	H	
10194	β 1134	DM (63°) 1618	19 29	63 36	80.8	4.32	5.8...12.7	1889.48	β 3	
10195	A 727	A. G. Bonn 14160	19 35	47 44	65.0	0.50	8.8...10.0	1904.45	A 2	
10196	Σ 2681	O. Arg. N. 20469	19 35	53 2	41.8	6.60	7.3...10.8	1831.24	Σ 3	A and B
					203.6	41.84	....	1831.24	Σ 3	A and C AC *wh.*
					102.5	21.97	8.0...11.0	1830.95	Σ 2	C and D
10197	H 2960	....	19 37	− 2 18	230.3	6±	11 ...13	1830+	H	
10198	A. G. 254	A. G. Leiden 8207	19 46	31 49	345.8	5.43	9.1... 9.8	1902.61	β 2	
10199	H 1513	O. Arg. N. 20471	19 48	46 8	322.0	8±	9 ...11	1828+	H	
10200	A 728	DM (−1°) 3980	19 51	− 1 4	339.4	0.34	9.0... 9.2	1904.46	A 1	
10201	Hu 586	SD (19°) 5815	19 56	−19 14	135.8	0.81	8.8...12.5	1901.38	Hu 3	(*Bul. L. O.* No. 27)
10202	H.C.Wilson 20	....	20 :	−27 10:	21.5	7.02	8.0... 9.3	1882.61	W 1	
10203	β 432	W^2 XX^h. 698	20 12	35 23	195.2	1.24	8.6... 9.9	1877.23	Δ 5	
10204	A 290	DM (33°) 3894	20 14	33 40	134.4	0.23	8.5... 8.5	1901.94	A 3	
10205	H 2965	....	20 21	58 27	85.0	12±	11=11	1830+	H	
10206	A 392	DM (24°) 4123	20 27	24 40	298.1	0.82	9.0...11.2	1902.78	A 3	(*Bul. L. O.* No. 29)
10207	β 60	π *Capricorni*	20 27	−18 36	145.2	3.27	5.1... 8.7	1874.96	Δ 4	A and B
					43.5	38.12	...14.0	1898.56	A 2	A and C
10208	Σ 2682 *rej.*	DM (24°) 4125	20 33	24 57	301.1	20.27	8.2... 9.4	1904.46	β 2	
10209	H 1514	DM (45°) 3172	20 44	45 5	212.8	9±	9 ...12	1828+	H	
10210	H 2962	....	20 46	17 19	114.3	10±	10 ...11	1830+	H	
10211	A 47	DM (35°) 4108	20 53	35 30	175.7	1.40	9.3... 9.8	1899.36	A 3	(*A. N.* 3635)
10212	H 2963	....	21 5	5 28	....	....	....	1830+	H	
10213	Δ 22	Rad^1. 4777	21 10	39 42	139.7	2.76	7.9... 9.0	1875.13	Δ 4	
10214	A 291	A. G. Bonn 14186	21 11	43 32	144.0	0.70	8.7...10.6	1901.90	A 4	A and B
					104.2	17.49	...10.0	1901.84	A 1	A and C
10215	Σ 2685	O. Arg. N. 20517	21 13	63 48	348.8	4.24	8.5... 9.1	1833.00	Σ 4	*White*
10216	S 749	P XX^h. 140	21 14	− 2 30	189.4	59.87	6½... 7	1825.00	S 3	
10217	H 268	....	21 14:	10 51:	240±	15±	10 ...12	1820+	H	
10218	Σ 2694	DM (80°) 650	21 17	80 9	345.9	3.72	6.5...10.5	1832.60	Σ 3	6.5 *wh.*
10219	Ho 129	L 39370	21 20	16 33	145.9	4.78	8.3...13	1886.71	Ho 2	
10220	Ho 130	DM (36°) 4068	21 42	36 48	285.4	1.43	8.5... 8.7	1883.73	Ho 2	
10221	Σ 2683	L 39345	21 44	−13 33	67.1	22.79	8.0... 8.5	1830.40	Σ 3	*White*
10222	A. G. 255	A. G. Lund 9379	21 45	37 4	287.9	5.04	9.2... 9.4	1902.61	β 2	
10223	Ho 278	DM (39°) 4186	21 45	40 0	172.9	0.25±	7 ... 7	1886.82	Ho 1	(*A. N.* 2977)
10224	H 2966	....	21 46	7 39	263.5	2±	11 ...12	1830+	H	"Neat"
10225	A 393	A. G. Camb. 11317	21 46	27 40	210.4	0.37	8.7... 9.2	1902.86	A 3	(*Bul. L. O.* No. 29)
10226	H 917	....	21 49	2 47	45±	3±	12=12	1820+	H	
10227	H 916	DM (−0°) 4010	21 50	− 0 33	258.9	12±	9 ...12	1830+	H	
10228	Sh 323	ρ *Capricorni*	22 1	−18 13	177.3	4.02	5 ...10	1823.78	Sh 2	A and B
					151.4	55.21	...13.2	1891.49	β 3	A and C
					150.7	238.02	... 7	1823.78	Sh 2	A and D
10229	H 2964	Cord. DM (25°) 14806	22 5	−25 33	52.2	30±	9–10...10	1830+	H	
10230	H 5202	Cord. DM (30°) 17945	22 8	−30 25	82.0	10±	9½...10	1834.6	H	
10231	A. G. 256	DM (9°) 4541	22 9	9 34	354.9	5.83	9.2... 9.7	1895.67	Lp	
10232	A 292	A. G. Bonn 14207	22 10	41 1	137.8	1.85	9.0...11.0	1901.92	A 3	
10233	H 1515	....	22 13	33 5	24.4	10±	10 ...11	1828+	H	
10234	Cordoba	O. Arg. S. 20539	22 23	−27 43	21.8	7.39	7.6...11.2	1897.72	See 1	
10235	H 1516	Rad^1. 4792	20 22 26	54 17	147.5	20±	7 ...10	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10236	H 918	....	$20^h\ 22^m\ 26^s$	− 7° 17′	320° ±	3″ ±	11 ...11+	1820+	H	"Very neat star"
10237	A 730	A. G. Hels. 11351	22 36	59 13	313.8	0.21	6.8... 7.0	1904.48	A 1	
10238	A 293	A. G. Bonn 14224	22 38	41 28	118.7	1.29	9.1... 9.2	1901.86	A 3	
10239	H 2967	....	22 39	3 27	314.8	6±	11 = 11	1830+	H	"Neat"
10240	Ho 131	W² XX^h. 759	22 49	18 23	322.8	4.54	7.8...11.2	1881.64	Ho 3	
10241	Hn 38	*Schj.* 8070	22 49	− 8 25	297.8	2.66	8.5...11.2	1881.69	β 3	
10242	H 2969	....	22 52	16 49	171.8	4±	11 = 11	1830+	H	"Neat"
10243	H 2968	....	22 56	3 2	52.2	12±	11 ...11+	1830+	H	
10244	H 3170	....	23 ±	89 53	57.8	10±	9–10...12	1830+	H	
10245	H 1518	....	23 0	45 15	86.5	10±	10 ...10–11	1828+	H	
10246	Sh 324	o *Capricorni*	23 1	−18 59	239.7	22.06	6 ... 7	1823.73	Sh 2	
10247	β 62	L 39445	23 6	29 44	135.5	1.20	8.5... 9.4	1875.52	Δ 4	
10248	Hn 159	SD (12°) 5743	23 7	−12 41	282.9	1.25	10.5...10.8	1888.73	Com 3	
10249	A 610	A. G. Leip II. 10116	23 10	6 46	189.6	0.50	8.5... 9.1	1901.63	A 3	(*Bul. L. O.* No. 50)
10250	H 2972	....	23 14	59 54	248.1	8±	10–11..12	1830+	H	
10251	A 731	A. G. Hels. 11368	23 18	59 47	214.0	2.17	7.3...12.5	1904.48	A 1	
10252	H 1517	DM (29°) 4047	23 20	30 0	105.5	8±	10 = 10	1828+	H	
10253	H 2970	DM (3°) 4349	23 21	3 7	184.2	8±	10 = 10	1830+	H	"Neat"
10254	A 732	A. G. Bonn 14246	23 25	47 1	76.9	0.66	9.0.. 9.2	1904.45	A 2	
10255	Ku 59	DM (23°) 4030	23 27	23 41	139.4	33.24	9.5... 9.5	1901.62	Ku 2	A and B Kustner (3821)
					316.4	4.14	...10.3	1901.62	Ku 2	B and C
10256	Σ 2687	*Cephei* 37	23 29	56 15	119.0	26.22	6.5... 8.3	1831.55	Σ 3	*Wh.: ash*
10257	β 433	DM (55°) 2399	23 36	55 55	208.6	7.38	9.0...11.2	1892.74	W 2	A and B
					244.8	27.09	...10.0	1892.74	W 2	A and C
10258	Σ 2686	DM (9°) 4550	23 58	9 54	279.3	27.71	8.3... 9.8	1825.83	Σ 3	8.3 *yel'sh*
10259	A 394	A. G. Camb. 11366	23 58	26 34	283.5	0.55	9.0...10.3	1902.86	A 3	(*Bul. L. O.* No. 29)
10260	H 1519	....	24 5	27 6	234.3	8±	10–11..13	1828+	H	
10261	OΣ 526	L 39835	24 6	80 47	169.4	1.32	7.8...10.0	1851.83	OΣ 2	
10262	H 1522	....	24 9	58 36	93.4	13±	10 ...14	1828+	H	
10263	Hu 587	DM (48°) 3130	24 17	48 6	356.2	0.76	9.0...10.5	1902.55	Hu 3	(*Bul. L. O.* No. 27)
10264	β 363	*Vulpeculae* 93	24 28	20 12	62.8	21.77	7.0...11.0	1878.71	β 1	
10265	Ho 594	L 39512	24 29	35 26	208.8	18.39	7 ...12.7	1894.31	Ho 2	(*A. N.* 3558)
10266	β 63	1 *Delphini*	24 33	10 30	343.3	0.84	6.0... 8.0	1874.92	Δ 4	A and B
					346.6	16.79	...14.2	1898.55	β 2	A and C
10267	H 1521	DM (30°) 4052	24 33	30 24	188.0	12±	9–10...11–12	1828+	H	
10268	H 1520	....	24 34	25 46	332.5	13±	11 ...12	1828+	H	
10269	Weisse 35	W² XX^h. 828	24 42	37 7	214.5	3.88	8.0... 8.5	1883.82	En 5	A and B
					99.5	86.91	....	1883.78	En 4	A and C
					203.3	11.86	8.9...10.4	1883.78	En 3	C and D
10270	S 750	DM (25°) 4262	24 45	26 0	324.2	66.71	8½... 8¾	1825.58	S 2	
10271	β 987	L 39506	24 50	19 1	127.7	2.32	7.2...11.5	1880.15	β 5	A and B
					288.6	105.38	... 7¼	1824.98	S 3	A and C
10272	O. Stone 50	....	25 :	39 57:	170.4	6.30	9.0...10.0	1879.61	Cin 1	Cin⁵
10273	H 1524	DM (50°) 3104	25 7	50 14	129.9	4±	10 ...11–12	1828+	H	"Elegant." 8.5 m. in DM
10274	H 1523	DM (40°) 4197	25 9	40 36	357.4	15±	9–10...10	1828+	H	8.7 m. in DM
10275	Σ 2688	DM (13°) 4418	25 10	13 23	172.8	5.56	8.7... 9.8	1829.97	Σ 4	
10276	β 1135	L 39561	25 10	45 20	338.3	1.53	8.3...10.7	1889.53	β 4	
10277	H 2973	O. Arg. S. 20580	25 12	−22 34	132.2	40±	8–9 = 8–9	1830+	H	
10278	A. G. 257	A. G. Alb. 7147	25 13	4 48	51.6	1.80	9.2... 9.2	1903.59	A 3	
10279	Σ 2691	DM (37°) 3952	25 14	37 43	32.8	17.08	8.0... 8.2	1831.56	Σ 3	*White*
10280	Σ 2693	O. Arg. N. 20612	25 14	54 6	13.7	13.57	8.0... 9.0	1830.93	Σ 2	*White*
10281	Da 1	P XX^h. 177	25 28	10 51	256.3	14.19	7.0... 7.2	1831.26	Σ 4	A and BC BC = OΣ 407; AB = Σ 2690
					212.3	0.57	7.5... 7.6	1846.95	OΣ 4	B and C
					108.4	23.40	...12	1878.26	β 2	A and D
10282	H 1525	DM (39°) 4213	25 31	39 57	230.7	7±	10 ...10+	1828+	H	
10283	See 420	Cord. DM (22°) 14788	20 25 32	−22 6	88.3	1.52	8 ...13	1897.72	See 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10284	A 734	SD (3°) 4930	20^h 25^m 39^s	− 3°51′	295°.1	1″.66	8.2...13.0	1904.46	A 1	
10285	A 395	A. G. Albany 7149	25 39	5 5	160.4	0.72	9.0...10.8	1902.84	A 2	(*Bul. L. O.* No. 29)
10286	See —	L 39499	25 44	−17 1	299.8	0.38	7.9... 7.9	1897.75	See 1	
10287	A 170	L 39516	25 44	− 5 39	215.7	1.50	6.8...10.6	1900.62	A 4	
10288	H 2974	DM (19°) 4432	25 47	19 43	287.2	15±	9–10...10	1830+	H	
10289	β 668	B. A. C. 7080	25 49	−10 16	29.0	4.64	6.2...11.7	1878.63	β 1	
10290	Σ 2692	W^2 XX^h. 863	25 56	26 5	302.0	25.67	8.0... 9.0	1831.27	Σ 2	*White*
10291	A 733	A. G. Hels. 11404	25 57	59 51	164.9	1.12	8.0...10.0	1904.48	A 1	
10292	Hu 760	DM (34°) 4056	26 2	34 57	112.3	0.25	9.2... 9.2	1904.47	Hu 3	B and C
					154.4	8±	10 = 10	1828+	H	A and BC
10293	H 919	SD (4°) 5168	26 6	− 3 55	330±	8±	10 ...12	1820+	H	
10294	Ho 132	SD (14°) 5775	26 6	−14 7	207.8	6.83	8.5...10.0	1885.23	Ho 2	
10295	Ho 133	W^1 XX^h. 612	26 10	−13 57	182.1	0.83	8.0... 8.0	1885.23	Ho 2	
10296	A 735	SD (4°) 5169	26 12	− 4 37	271.8	4.34	9.0...11.0	1904.46	A 1	
10297	Hn 161	L 39532	26 17	− 9 18	49.0	2.10	9.2...11.0	1888.72	Com 3	
10298	β 669	*ω^2 Cygni*	26 20	48 33	342.5	17.26	5.5...13.5	1878.65	β 1	A and B
					86.3	56.28	...10.0	1878.65	β 1	A and C
10299	H 2978	DM (59°) 2243	26 24	59 15	274.6	10±	10 ...10+	1830+	H	
10300	H 1527	....	26 25	13 33	294.5	3±	10 = 10	1828+	H	"Very neat" (See p. 1083)
10301	A. Clark 18	44 *Cygni*	26 26	36 32	155.3	2.56	6.5...11.5	1859.63	Da 2	
10302	H 2975	L 39529	26 30	−22 38	15.5	10±	8 ...14	1830+	H	
10303	H N. 7	....	26 31:	−26 9:	....	I–II	....	1784.52	H	
10304	H 1528	....	26 33	11 56	237.0	8±	11 ...12	1828+	H	
10305	Σ 2695	*Vulpeculae* 94	26 50	25 24	76.5	0.80	6.2... 8.0	1831.78	Σ 5	*White*
10306	H 2976	....	26 54	8 33	311.4	12±	10 ...11	1830+	H	
10307	Lewis 35	....	27 :	13 32:	143.0	0.31	9.0... 9.5	1900.67	L 1	
10308	H 1529	SD (6°) 5521	27 0	− 6 38	114.0	25±	7–8...11	1828+	H	
10309	S 755	P XX^h. 199	27 11	48 48	278.8	61.39	6 ...10	1825.15	S 2	10 *blue*
10310	β 670	DM (13°) 4435	27 17	13 32	58.3	0.76	8.5... 8.8	1877.75	β 2	
10311	H 2977	DM (17°) 4347	27 21	17 38	330.3	15±	9–10..10	1830+	H	
10312	H 1530	DM (41°) 3790	27 22	41 19	243.1	12±	10 ...10–11	1828+	H	"A 12 m. star near"
10313	H 1531	DM (38°) 4134	27 26	38 56	313.7	4±	10 ...11	1828+	H	
10314	Σ 2696	DM (4°) 4484	27 34	5 2	298.9	1.06	8.0... 8.4	1831.06	Σ 4	*White*
10315	S 756	*ω^3 Cygni*	27 36	48 49	319.0	55.79	6 ...12–15	1825.39	S 2	
10316	H 1533	....	27 40	45 16	188.6	6±	11 ...11–12	1828+	H	
10317	H 1532	....	27 45	31 16	306.6	10±	11 ...12	1828+	H	
10318	β 434	W^2 XX^h. 941	28 5	41 28	101.1	1.37	9.1... 9.9	1877.29	Δ 3	
10319	β 1136	L 39698	28 6	49 8	206.6	0.35	8.1... 9.7	1889.54	β 3	
10320	Σ 2697 *rej.*	DM (−0°) 4043	28 13	− 0 53	....	Cl. IV	8 ...10	....	Σ	
10321	Ma 8	W^1 XX^h. 688	28 15	11 41	249.3	18.31	....	1843.80	Ma 1	
10322	H 2979	....	28 18	20 46	51.4	10±	10 ...11	1830+	H	
10323	H 1540	DM (55°) 2417	28 27	55 46	345.2	15±	9 ...12	1828+	H	
10324	Hu 761	DM (60°) 2132	28 30	60 42	114.8	0.46	8.8... 8.8	1904.48	Hu 1	
10325	H 1535	W^2 XX^h. 948	28 32	32 58	108±	7±	9 ...13	1828+	H	A and B
					240.3	12±	...11	1828+	H	A and C
10326	β 1208	L 39656	28 38	6 28	335.5	2.94	7.4...12.2	1890.55	β 3	
10327	Σ 2698	L 39686	28 43	27 48	305.5	4.11	8.1... 9.0	1831.30	Σ 4	*Very wh.*
10328	A 737	A. G. Hels. 11450	28 43	59 20	63.7	1.48	8.0...12.0	1904.48	A 1	
10329	H 1536	....	28 45	26 34	112.9	6±	12 ...13	1828+	H	"Neat"
10330	Schj. 26	*Schj.* No. 8144	28 49	4 49	70±	20±	9 ...10	....	....	
10331	H 1539	DM (40°) 4227	28 56	40 54	201.4	8±	10 ...11	1828+	H	A and B
					70±	15±	....	1828+	H	A and C
10332	H 1538	....	29 1	33 13	128.4	3±	10–11..12	1828+	H	
10333	Hu 269	SD (18°) 5718	29 5	−18 23	340.5	2.72	9.0...12.2	1900.65	Hu 2	(*A. J.* 494)
10334	H N. 134	....	29 6:	−13 22:	....	Cl. I	....	1801.70	H	
10335	....	DM (5°) 4556	20 29 14	5 42	63.2	64.00	8.0...10.5	1879.63	Cin 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10336	H 2980	SD (18°) 5719	20^h 29^m 16^s	−18° 53′	193°.5	10″ ±	10 ...13	1830+	H	
10337	H 2981	....	29 16	2 14	8.2	6±	10–11..12	1830+	H	
10338	OΣ 408	L 39724	29 19	34 16	192.7	1.68	7.2...10.2	1846.08	OΣ 3	*7.2 blue*
10339	H 5513	....	29 32	0 58	90±	....	....	1823+	H	
10340	β 671	O. Arg. N. 20741	29 33	62 3	335.9	0.47	8.0... 8.5	1877.78	Δ 1	
10341	H 609	DM (40°) 4233	29 33	40 9	330±	25±	10 ...10½	1820+	H	
10342	H 1537	O. Arg. S. 20642	29 34	−15 43	194.8	1¾	10 = 10	1828+	H	
10343	H 1541	DM (46°) 2972	29 39	46 38	268.0	4±	10 ...12	1828+	H	8.7 m. in DM
10344	Σ 2700	L 39740	29 55	32 6	286.2	23.97	6.5... 8.3	1831.87	Σ 3	*Yel.: very blue*
10345	O. Stone 51	....	30 :	32 0:	267.5	32.80	8.5... 9.0	1879.37	Cin 1	From Cin^5
10346	Ho 279	SD (6°) 5530	30 2	− 6 15	171.7	6.65	9 ...11	1888.71	Ho 2	
10347	A 396	A. G. Bonn 14413	30 4	43 2	158.7	1.52	8.5...11.3	1902.85	A 3	(*Bul. L. O.* No. 29)
10348	Weisse 36	W^1 XX^h. 727, 728	30 6	− 3 9	....	....	8–9...	....	....	
10349	H 1542	DM (32°) 3868	30 15	32 34	227.4	10±	9–10...11	1828+	H	
10350	H 1543	W^2 XX^h. 1007	30 15	32 58	206.2	15±	9 = 9	1828+	H	
10351	H 2982	....	30 16	−27 42	128.5	10±	10–11..11	1830+	H	H (VIII)
10352	Σ 2699	L 39709	30 17	−13 9	192.2	9.56	8.0... 9.0	1829.87	Σ 2	A and B
					180±	30±	...15	1820+	H	A and C AB *wh.*
					165±	40±	...15	1820+	H	A and D
10353	H 1544	....	30 37	27 29	237.0	3±	11 = 11	1828+	H	
10354	H 1545	....	30 46	55 53	175±	20±	10 = 10	1828+	H	"P est. from diagram"
10355	A. G. 258	DM (9°) 4588	30 51	10 2	10.5	4.50	9.2... 9.4	1894.75	Lp	
10356	OΣ (App) 208	L 39817	30 54	46 26	241.2	76.43	7.3... 8.2	1876.29	Δ 3	
10357	Σ 2702	DM (34°) 4091	30 54	34 45	205.8	3.33	8.5... 8.7	1831.13	Σ 3	*White*
10358	O. Stone 52	Cord. 20^h. 1017	31 2	−26 54	245.3	1.42	8.2... 8.5	1879.78	Cin 1	
10359	A 397	DM (42°) 3793	31 4	42 26	216.0	1.12	9.1...12.0	1902.86	A 2	(*Bul. L. O.* No. 29)
10360	H 1546	DM (55°) 2427	31 8	55 58	255.4	20±	9–10...10	1828+	H	
10361	Σ 2703	DM (14°) 4364	31 13	14 19	291.2	25.09	7.6... 7.6	1829.52	Σ 4	A and B
					239.4	66.72	... 7.6	1829.40	Σ 3	A and C AC *wh.:* B *yel'sh*
					217.9	54.38	....	1829.42	Σ 3	B and C
10362	Σ 2701	DM (11°) 4331	31 15	11 38	218.8	2.13	7.8... 8.2	1829.76	Σ 3	*Yel'sh: wh.*
10363	β 151	*β Delphini*	31 55	14 11	15.5	0.65	4.1... 5.4	1874.66	Δ 5	A and B
					116.2	27.66	...12.7	1878.05	β 3	AB and C
					343.8	32.48	3.0...11.0	1829.40	Σ 3	AB and D
10364	H 1547	....	31 59	29 25	16.4	12±	10 ...11	1828+	H	
10365	H 1548	....	32 0	37 59	252.8	6±	11 ...11–12	1828+	H	
10366	H 1551	DM (55°) 2429	32 5	55 59	250±	20±	9–10...10	1828+	H	"P est. from diagram"
10367	β 672	71 *Aquilae*	32 8	− 1 31	280.8	30.52	6.0...12.5	1878.66	β 2	
10368	H 1552	DM (55°) 2431	32 10	55 56	260±	20±	9–10...10	1828+	H	"P est. from diagram"
10369	H 1549	....	32 13	47 20	52.3	4±	11 ...14	1828+	H	
10370	A. G. 259	A. G. Lund 9533	32 15	38 41	317.0	2.70	9.1... 9.7	1902.61	β 2	
10371	H 5210	....	32 19	−27 29	270.0	8±	9½...11	1834.6	H	
10372	Hu 200	τ^2 *Capricornii*	32 34	−15 22	269.8	0.17	5.5... 6.8	1900.64	Hu 2	(*A. J.* 485)
10373	Σ 53, App. I	48 *Cygni*	32 39	31 9	174.8	178.10	6.0... 6.1	1835.67	Σ 5	*Wh.: yel'sh wh.*
10374	H 920	DM (1°) 4334	32 45	1 37	215±	10±	9 ...10	1820+	H	H (V) 210°.6: 12″± (See p. 1083)
10375	See 423	O. Arg. S. 20698	32 51	−29 18	20.5	0.72	8.2... 9.5	1897.66	See 1	
10376	A 742	A. G. Camb. 11551	32 52	29 18	128.9	1.05	9.5...10.0	1904.48	A 1	B and C
					344.2	58.25	8.0...	1904.48	A 1	A and BC
10377	H 2983	SD (18°) 5736	32 55	−18 52	184.0	12±	10 ...11	1830+	H	
10378	Σ 2705	DM (32°) 3883	32 57	32 57	262.1	3.05	7.1... 8.1	1831.86	Σ 4	*Yel.: blue*
10379	H 1550	....	32 58	21 59	220.5	4±	10 ...11	1828+	H	
10380	A. G. 260	DM (24°) 4202	32 59	24 46	218.2	10.46	8.6...10.2	1902.72	M 3	
10381	H 610	....	33 :	40 4:	175±	15–20	10 ...15	1820+	H	
10382	A 743	A. G. Camb. 11555	33 6	29 33	306.0	1.13	9.0...12.0	1904.48	A 1	
10383	Hn 39	DM (50°) 3145	33 7	50 28	176.3	7.64	8.0...10.8	1881.46	β 3	
10384	A 744	A. G. Camb. 11556	20 33 10	29 28	269.1	0.55	8.8... 8.8	1904.48	A 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10385	β 435	L 39867	20h 33m 14s	14°35′	113°.5	2″.86	8.1...10.9	1876.68	Δ 4	
10386	H 2984	1 *Aquarii*	33 16	0 4	215.4	25±	5–6...14	1830+	H	A and B
					43.5	40±	...14	1830+	H	A and C
10387	A 398	A. G. Bonn 14473	33 16	42 8	358.4	0.90	8.9...10.2	1902.85	A 3	(*Bul. L. O.* No. 29)
10388	A. G. 261	A. G. Leiden 8372	33 16	30 43	156.0	4.18	9.0... 9.5	1902.63	β 2	
10389	H 1556	....	33 17	55 31	250.0	4±	10 ...11	1828+	H	"Two more stars 12 m. f"
10390	OΣ 533	κ *Delphini*	33 19	9 40	10.9	10.35	4.7...11.3	1852.47	OΣ 4	4.7 *yel'sh*
10391	H 1553	....	33 26	39 48	99.0	4±	10–11..11	1828+	H	
10392	Schj. 27	L 39871	33 27	10 34	264.5	5.86	8.2... 9.3	1874.37	Δ 3	
10393	H 1555	DM (44°) 3522	33 30	44 39	357.2	10±	9–10...10	1828+	H	
10394	Ho 458	DM (28°) 3823	33 30	28 44	278.5	1.85	9.0... 9.1	1893.77	Ho 1	
10395	β 288	B. A. C. 7146	33 31	15 25	167.8	7.87	7.0...13.5	1878.54	β 1	
10396	H 611	SD (13°) 5729	33 58	−13 44	345±	8±	9 ...10	1820+	H	
10397	Σ 2707	DM (47°) 3153	33 59	47 31	196.0	55.37	7.1... 7.9	1832.67	Σ 4	A and C *White*
					31.7	23.05	... 8.6	1832.67	Σ 4	A and B
10398	Hd 158	....	34 :	− 7 13:	144.5	8.23	8 ... 9	1868.79	Hd 1	
10399	H 5212	....	34 2	−24 36	272±	18±	8½...10	1834.6	H	
10400	Hu 362	DM (18°) 4569	34 3	18 32	305.7	0.51	9.0... 9.4	1901.60	Hu 3	(*Bul. L. O.* No. 12)
10401	β 298	α *Delphini*	34 4	15 29	223.8	28.90	4.0...13.5	1891.70	β 2	A and B
					279.8	42.29	...12	1878.62	β 3	A and C
					150.2	47.96	...13	1877.82	β 1	A and D
					308.9	51.65	...12.7	1891.70	β 2	A and E
					113.8	80.67	...10.8	1879.34	β 2	A and F
10402	Σ 2708	W² XXh. 1140	34 7	38 13	351.7	11.25	7.0... 8.7	1832.63	Σ 6	A and B *Yel.: blue*
					47.7	14.97	...15	1878.27	Hl 2	A and C
10403	β 1209	SD (17°) 6055	34 [illegible]	−17 48	294.3	0.45	9.0... 9.9	1890.66	β 3	
10404	Σ 2709	W² XXh. 1133	34 14	21 18	314.7	9.21	8.2...10.0	1830.80	Σ 2	8.2 *yel.*
10405	OΣ 409 *rej.*	L 39897	34 16	3 1	85.5	16.75	6.8...10.3	1866.09	Δ 3	
10406	Espin 88	DM (50°) 3150	34 18	50 41	127.7	7.9	8.6... 9.0	1901	Es	(*A. N.* 3784)
10407	Ho 135	SD (15°) 5755	34 19	−14 56	223.0	2.44	7.5...12.5	1883.74	Ho 2	
10408	Ho 136	W² XXh. 1139	34 19	28 41	6.2	2.51	8.0...11.5	1882.65	Ho 3	
10409	Σ 2710 *rej.*	W² XXh. 1137	34 19	21 16	....	Cl. IV	8 ...10	....	Σ	
10410	H 1557	....	34 20	26 49	207.2	6±	11 ...11	1828+	H	
10411	Espin 89	DM (47°) 3154	34 24	47 39	199.1	16.5	6.5...11.2	1901	Es	(*A. N.* 3784) (See p. 1083)
10412	♅ IV. 78	DM (61°) 2039	34 25	62 1	49.4	19.53	....	1783.22	♅	
10413	H 2986	O. Arg. S. 20746	34 39	−18 3	188.0	12±	9 ...12	1830+	H	"A third star 13 m. p"
10414	Σ 2711	DM (29°) 4124	34 39	30 5	222.5	2.53	8.0... 9.0	1831.43	Σ 3	*White*
10415	Hu 588	DM (49°) 3338	34 43	49 58	246.8	2.26	9.0...11.5	1902.55	Hu 3	(*Bul. L. O.* No. 27)
10416	H 1558	DM (47°) 3155	34 50	48 5	200.9	5±	10 ...12	1828+	H	
10417	♅ N. 101	O. Arg. S. 20747	34 54	−30 59	....	Cl. III	....	1793.73	♅	
10418	Σ 2706	DM (−1°) 4027	34 59	− 1 30	33.6	10.81	8.2...10.8	1828.63	Σ 4	8.2 *yel.*
10419	Hd 159	....	35 :	− 9 0:	235±	5±	....	1868.63	Hd	
10420	Weisse 37	W² XXh. 1168	35 1	37 58	....	....	8 ...	....	....	
10421	A 746	A. G. Bonn 14504	35 3	47 16	143.0	2.04	7.5...13.0	1904.42	A 2	
10422	Σ 2713	L 39943	35 9	10 9	64.1	4.82	9.0... 9.0	1830.77	Σ 3	*White*
10423	OΣ 410	B. A. C. 7158	35 10	40 9	23.3	0.63	6.4... 6.7	1850.60	OΣ 7	A and B 6.7 *yel'sh:* 7.7 *golden*
					69.8	68.99	... 7.7	1851.45	OΣ 4	AB and C
10424	A 399	A. G. Bonn 14507	35 16	41 36	74.1	0.68	8.5...10.8	1902.85	A 3	(*Bul. L. O.* No. 29)
10425	Σ 2714	W² XXh. 1171	35 17	29 20	336.2	6.82	8.5...12.0	1831.83	Σ 3	8.5 *wh.*
10426	Σ 2717	DM (60°) 2142	35 19	60 20	267.1	2.12	7.2... 9.7	1832.22	Σ 3	7.2 *yel.*
10427	β 267	SD (4°) 5223	35 22	− 4 49	242.4	2.11	9.0... 9.0	1878.68	β 1	
10428	H 921	....	35 27	− 4 55	45±	5±	10 = 10	1820+	H	
10429	H 2987	....	35 33	19 36	116.4	12±	10–11=10–11	1830+	H	
10430	Ho 137	W² XXh. 1181	35 37	29 23	278.9	1.23	6.5...11.0	1885.83	Ho 2	
10431	H 922	....	35 44	21 7	315±	4±	11 ...11	1820+	H	"A 15 m. star at 30," same angle"
10432	See 425	O. Arg. S. 20760	20 35 45	−29 12	224.6	7.80	7.5...12	1896.72	See 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10433	A 747	DM (47°) 3159	$20^h\ 35^m\ 48^s$	47° 9′	135°.6	0″.27	8.0... 8.2	1904.42	A 2	A and B
					139.8	6.88	...12.0	1904.42	A 2	AB and C
10434	A 748	A. G. Bonn 14517	35 50	46 55	28.8	1.35	7.5...13.0	1904.42	A 1	
10435	H 2988	DM (2°) 4227	35 52	2 32	139.7	20±	9 ...11	1830+	H	
10436	Σ 2715	DM (12°) 4431	36 3	12 6	2.3	11.96	7.5...10.1	1830.59	Σ 5	7.5 *wh.*
10437	Σ 2716	49 *Cygni*	36 11	31 53	49.4	2.73	6.0... 8.1	1830.61	Σ 5	*Yel.: blue*
10438	Σ 2719 *rej.*	DM (42°) 3827	36 28	42 55	....	Cl. IV	8 ...10	....	Σ	(See p. 1083)
10439	β 673	DM (20°) 4680	36 29	20 17	298.1	4.10	7.3...11.8	1878.78	β 2	
10440	H 612	B. A. C. 7167	36 31	38 39	5±	30±	....	1820+	H	
10441	Ho 595	W^2 XX^h. 1204	36 33	22 33	110.9	17.10	7 ...12.2	1896.76	Ho 2	(*A. N.* 3558)
10442	H 1562	DM (54°) 2393	36 34	54 49	165.6	18±	9–10...10	1828+	H	
10443	Hn 40	O. Arg. S. 20773	36 34	−19 55	357.9	5.33	8.6... 8.9	1881.50	β 2	A and B
					187.3	4.67	9.1...10.0	1881.50	β 2	C and D
					257.7	144.71	....	1881.50	β 2	A and C
10444	Hu 270	SD (19°) 5902	36 40	−19 32	91.9	2.00	9.2... 9.6	1900.65	Hu 2	(*A. J.* 494)
10445	H 2989	O. Arg. S. 20779	36 43	−22 44	154.9	25±	9 ...12	1830+	H	
10446	H 2990	SD (20°) 5807	36 48	−20 57	317.7	12±	9–10...15	1830+	H	
10447	Σ 2718	DM (12°) 4440	36 52	12 18	86.6	8.30	7.4... 7.6	1831.29	Σ 6	*White*
10448	A. G. 262	A. G. Alb. 7239	37 3	2 27	273.7	4.74	9.2... 9.3	1903.40	M 3	Miller (*A. J.* 554)
10449	H 1560	....	37 5	35 28	246.6	5±	11 ...13	1828+	H	A and B
					70±	10±	...14	1828+	H	A and C
10451	H 1561	DM (28°) 3857	37 18	28 12	275.0	4±	10 ...11	1828+	H	"Fine"
10452	H 2991	O. Arg. S. 20790	37 20	−24 5	211.8	30±	9 = 9	1830+	H	A and C
					95.7	10±	...12	1830+	H	A and B
10453	Ḥ N. 73	*a Cygni*	37 20	44 51	106.0	75.45	1 ...11.4	1879.35	β 3	
10454	A. G. 263	A. G. Lund 9608	37 29	38 2	69.7	1.66	9.5... 9.7	1902.58	β 2	
10455	Hn 162	*Schj.* 8240	37 33	−14 8	140.8	1.72	9.8...10.1	1888.72	Com 3	
10456	See 427	Cord. DM (23°) 16453	37 37	−23 37	177.4	1.57	8.3...13.5	1896.86	See 3	
10457	H 1567	O. Arg. S. 20797	37 42	−15 28	345.3	25±	8–9...11	1828+	H	
10458	H 1569	....	37 50	58 32	309.8	3±	10–11..11	1828+	H	
10459	β 674	Yar. 9020	37 53	−21 19	103.4	1.35	8.0...10.8	1879.78	Cin 1	
10460	H 923	....	37 55	0 23	60±	4±	13 ...14	1820+	H	
10461	Σ 2720	DM (16°) 4355	37 56	16 31	185.0	3.81	8.5... 8.7	1830.42	Σ 3	*White*
10462	H 1564	....	37 56	15 38	35.2	8±	10 ...10–11	1828+	H	
10463	H 1565	W^2 XX^h. 1247	38 0	22 34	72.8	20±	9 ...10	1828+	H	
10464	H 5218	O. Arg. S. 20798	38 3	−30 55	188.9	6±	6½...13	1834+	H	
10465	Σ 2721	DM (19°) 4494	38 5	19 27	32.0	2.42	8.0...10.1	1830.29	Σ 4	8.0 *yel'sh*
10466	H 1570	....	38 10	56 34	81.2	10±	11 = 11	1828+	H	
10467	Σ 2722	W^2 XX^h. 1250	38 10	19 18	308.0	7.09	8.2... 8.7	1830.42	Σ 3	*Yel'sh wh.: ash*
10468	H 1566	....	38 12	12 4	70±	5±	10 ...13	1828+	H	
10469	Ho 138	L 40064	38 14	25 10	349.6	2.62	7.0...13.5	1881.68	Ho 2	A and B
					329.4	2.74	10.9...11.5	1881.68	Ho 4	C and D
					306.2	128.10	....	1881.68	Ho 1	A and CD
10470	H 1568	....	38 13	35 29	48.1	5±	10 ...13	1828+	H	
10471	H 924	SD (5°) 5361	38 17	− 5 38	90±	3±	10 ...10+	1820+	H	"Neat"
10472	Hn 163	L 40034	38 17	− 9 42	104.2	2.36	9.2...11.8	1888.72	Com 3	
10473	OΣ 411	Rad^1. 4924	38 17	45 24	273.7	15.26	7.4...10.2	1845.36	OΣ 2	7.4 *yel'sh*
10474	H 2992	SD (20°) 6023	38 23	−20 50	141.0	1½±	10 ...10+	1830+	H	
10475	Espin 91	....	38 26	49 47	187.6	4.4	9.5... 9.7	1901	Es	A and B (*A. N.* 3784)
					242.1	16.0	... 9.8	1901	Es	B and C
10476	β 675	51 *Cygni*	38 31	49 54	101.5	2.78	6.0... 13	1878.24	β 3	A and B
					182.4	25.39	...12	1878.39	β 1	A and C
					328.4	32.85	...12	1878.39	β 1	A and D
10477	Arg. 39	O. Arg. N. 20971	38 42	48 50	109.8	9.62	8.4... 8.6	1903.22	β 2	
10478	Hd 160	....	39 :	− 9 17:	210±	5±	8.8... 8.8	1880.84	Hd	
10479	H 925	SD (8°) 5466	20 39 1	− 8 35	176±	5±	10 ...11	1820+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10480	**A 171**	**A. G. Berlin 7900**	$20^h\ 39^m\ 5^s$	20°53′	325°.1	4″.61	8.2...11.5	1900.72	A 2	
10481	**H 1571**	....	39 6	41 5	58.2	2½	10–11..10–11	1828+	H	"Neat"
10482	**Ho 139**	**Cord. DM** (24°) 16260	39 7	−24 8	213.2	5.20	9.0... 9.0	1883.74	Ho 2	
10483	**Σ 2723**	*Delphini* 43	39 11	11 53	85.6	1.49	6.4... 8.2	1831.71	Σ 6	*White*
10484	**H 2994**	17 *Capricorni*	39 12	−21 57	338.7	20±	6 ...18	1830+	H	
10485	**Σ 2724**	**DM** (23°) 4127	39 12	23 30	325.7	2.46	8.2... 8.3	1831.81	Σ 3	
10486	**H 5220**	**B. A. C.** 7181	39 17	−27 18	357.7	18±	8 ...10	1834.6	H	
10487	**β 64**	**W¹ XXh.** 977	39 18	12 17	172.4	0.63	8.7... 9.0	1876.20	Δ 6	A and B
					158.6	96.46	... 7.3	1874.67	Δ 3	AB and C
10488	**β 152**	*Cephei* 55	39 18	56 57	111.0	0.45	7.2... 8.0	1876.01	Δ 5	
10489	**A 172**	**A. G. Berlin 7907**	39 28	20 35	218.8	2.48	9.0...10.5	1900.72	A 2	
10490	**β 1302**	**DM** (22°) 4170	39 32	22 45	139.1	2.13	8.2...12.3	1901.42	β 3	A and B
					208.9	52.19	... 8.4	1901.42	β 3	A and C
10491	**Hu 271**	**SD** (17°) 6709	39 39	−17 19	5.6	0.50	8.9... 9.2	1900.66	Hu 3	(*A. J.* 494)
10492	**Ho 140**	**L** 40123	39 42	45 53	313.5	7.20	6.8...12.9	1882.29	Ho 4	
10493	**Hu 690**	**DM** (33°) 4011	39 43	33 42	282.5	0.59	9.0... 9.2	1903.22	Hu 3	(*Bul. L. O.* No. 57)
10494	**Skinner 11**	**O. Arg. S.** 20840	39 46	−17 8	298.9	3.56	8.8... 8.8	1901.17	β 3	
10495	**β 834**	**DM** (6°) 4638	39 48	6 43	134.0	2.44	8.5...11.0	1881.58	β 6	
10496	**Hn 164**	**W¹ XXh.** 988	39 58	−12 44	114.7	2.83	9.0...11.2	1888.72	Com 3	
10497	**H 1572**	**DM** (38°) 4215	40 2	38 55	278.3	12±	10 ...11	1828+	H	
10498	**H 1573**	....	40 9	40 14	266.4	2½±	14 ...15	1828+	H	"A double-double star; a curious object"
10499	**H 1574**	....	40 11	40 15	277.8	3±	13 ...14	1828+	H	
10500	**β 153**	**B. A. C.** 7187	40 10	−26 51	282.2	1.61	7.5... 9.0	1876.78	Cin 1	
10501	**A. G. 264**	**DM** (24°) 4235	40 25	24 16	357.5	1.68	9.0... 9.1	1902.76	M 3	
10502	**A 173**	**A. G. Berlin 7925**	40 30	23 50	148.8	0.72	8.7...10.7	1900.77	A 3	
10503	**H 2995**	**O. Arg. S.** 20847	40 33	−19 4	283.5	20±	9–10..12	1830+	H	8 m. in O. Arg.
10504	**Σ 2725**	**W² XXh.** 1009	40 37	15 28	358.0	4.24	7.3... 8.0	1829.80	Σ 3	*Wh.: ashy*
10505	**O. Stone 53**	**Yar.** 9051	40 40	−28 11	177.2	17.42	7.0...10.5	1877.74	Cin 1	
10506	**Σ 2726**	52 *Cygni*	40 43	30 17	57.2	6.62	4.0... 9.2	1830.82	Σ 4	4.0 *very yel.*
10507	**Hd 161**	....	41 :	−24 3:	....	15±	....	1868.66	Hd	"Triple"
					....	30±	....	1868.66	Hd	
10508	**β 471**	**DM** (61°) 2046	41 1	62 0	305.9	1.46	10.0...10.0	1876.72	Δ 1	
10509	**Σ 2727**	γ *Delphini*	41 5	15 42	273.7	11.90	4.0... 5.0	1830.89	Σ 5	*Golden: bluish green*
10510	**A. G. 265**	**DM** (36°) 4224	41 6	36 20	214.2	6.30	9.1... 9.2	1900.67	Es 3	
10511	**A 611**	**A. G. Bonn** 14636	41 16	43 12	198.1	0.41	9.0... 9.4	1901.51	A 3	(*Bul. L. O.* No. 50)
10512	**β 676**	ε *Cygni*	41 21	33 31	320.9	37.72	3 ...12.0	1878.08	β 2	
10513	**H 2899**	....	41 21	20 18	217.9	10±	11 ...12	1830+	H	
10514	**S 763**	**B. A. C.** 7202	41 35	−18 39	295.1	16.75	7½... 8	1824.78	S 2	
10515	**H 2997**	....	41 37	−13 29	196.0	5±	10 ...11	1830+	H	"Neat"
10516	**Kr 51**	**A. G. Hels.** 11614	41 38	58 36	181.5	1.17	9.0...10.0	1890.78	β 1	
10517	**Ho 141**	**DM** (18°) 4619	41 39	18 51	289.4	1.15	8.4...10.8	1881.87	Ho 4	
10518	**A 174**	**L** 40144	41 51	− 3 29	9.0	0.41	8.8... 9.8	1900.69	A 3	
10519	**β 364**	**L** 40166	41 52	24 58	219.3	1.06	8.7... 8.9	1876.17	Δ 4	
10520	**β 65**	13 *Delphini*	41 52	5 34	186.4	1.61	5.2... 8.8	1875.44	Δ 4	
10521	**Espin 30**	*R R Cygni*	41 56	44 29	57.9	18.10	8.5...12.5	1899.92	Es 2	(*A. N.* 3717)
10522	**H 271**	....	42 :	10 53:	135±	3±	10 ...11	1820+	H	
10523	**OΣ 412** *rej.*	**P XXh.** 321	42 1	50 14	281.8	25.62	8.0...13.0	1899.60	Hu 3	A and B
					186.0	5.09	...13.0	1899.60	Hu 3	B and C
10524	**A. G. 266**	**A. G. Leiden** 8473	42 4	32 25	88.0	10.76	8.2... 9.0	1902.63	β 2	
10525	**Hn 41**	**O. Arg. N.** 21063	42 5	53 35	237.7	3.40	8.5...12.3	1881.47	β 2	A and B
					262.8	7.89	...11.0	1881.47	β 3	A and C
10526	**H 2998**	**O. Arg. S.** 20875	42 18	−21 5	145.4	5±	9–10..10	1830+	H	
10527	**β 677**	*T Cygni* (var.)	42 23	33 56	121.3	9.66	7.0...12.0	1878.41	β 1	A and B
					194.4	12.35	...13.3	1890.52	β 3	A and C
10528	**A. G. 267**	**A. G. Alb.** 7272	42 23	4 0	261.4	5.15	9.0... 9.2	1903.11	M 3	
10529	**H 1575**	....	20 42 26	38 24	49.8	10±	10 ...11	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10530	H 3000	B. A. C. 7209	20h 42m 32s	−18°29′	245°.4	18″±	6 ...15	1830+	H	
10531	Ho 143	L 40221	42 36	46 6	306±	1±	6 ...11.5	1885.90	Ho 2	
10532	Ho 142	L 40169	42 37	− 2 40	5.8	0.62	8.5... 8.7	1885.74	Ho 2	A and B
					298.6	20.38	...13	1886.75	Ho 1	AB and C
10533	OΣ 413	λ *Cygni*	42 44	36 3	122.3	0.65	5.0... 6.3	1842.66	OΣ 4	A and B
					105.0	85.22	... 8.7	1863.34	OΣ 10	AB and C
10534	OΣ 414	L 40222	42 50	41 58	95.9	9.88	7.2... 8.3	1848.30	OΣ 6	
10535	....	η *Cephei*	42 51	61 22	33.8	100.54	3.5...11.2	1879.35	β 2	
10536	H 5226	O. Arg. S. 20883	42 54	−27 49	70.8	15±	7½... 8½	1834.6	H	*Pale yellow: pale blue*
10537	H 1576	....	42 58	23 50	52.2	3±	11 ...12	1828+	H	
10538	β 66	DM (26°) 3995	42 59	27 1	158.9	1.23	8.6... 9.1	1876.00	Δ 5	
10539	Ho 459	DM (18°) 4621	43 2	18 27	359.5	0.55	9.5...10	1893.69	Ho 1	
10540	Σ 2728	P XXh. 324	43 5	25 57	24.7	4.22	8.0...10.3	1831.82	Σ 3	8.0 *golden*
10541	Espin 134	DM (63°) 1655	43 6	63 6	264.3	10.4	8.5... 9.2	1902	Es 3	(*M. N.* LXIII, 172)
10542	β 268	Radr. 4958	43 11	41 38	221.4	0.42	7.4... 8.3	1875.88	Δ 2	
10543	Ho 280	Glasgow 5261	43 14	45 8	75.4	14.02	7.0...13	1888.83	Ho 1	
10544	β 365	O. Arg. N. 21118	43 36	51 21	285.2	14.80	8.5...11.8	1892.77	W 2	
10545	H 926	DM (19°) 4525	43 53	19 59	200±	4±	10 ...10–11	1820+	H	
10546	....	15 *Delphini*	43 55	12 6	21.2	65.85	5.5...13.6	1901.54	β 2	
10547	Kr 52	A. G. Hels. 11640	44 0	55 40	66.4	4.69	9.0... 9.2	1890.78	β 1	
10548	OΣ (App) 210	DM (5°) 4626	44 1	5 6	122.0	81.85	6.0... 8.5	1875.48	Δ 4	
10549	H 1577	DM (12°) 4474	44 10	12 28	255.5	12±	8–9...10	1828+	H	
10550	H 1578	DM (12°) 4475	44 10	12 54	308.0	8±	10 ...11	1828+	H	
10551	H 1580	DM (55°) 4467	44 18	55 26	249.1	4±	9–10...12	1828+	H	
10552	Espin 93	DM (51°) 2954	44 18	51 58	273.0	7.4	6.0...11.1	1901	Es	(*A. N.* 3784)
10553	H 1583	DM (62°) 1858	44 19	62 11	75.5	12±	10 ...12	1828+	H	9.0 m. in DM
10554	Espin 31	....	44 26	32 48	244.6	9.8	8.7... 9.0	1892.9	Es 4	A and B *Red: blue*
					140.9	17.65	...10	1892.9	Es 3	A and C
10555	Σ 2731	DM (39°) 4331	44 31	39 21	86.1	3.96	7.7...10.8	1830.84	Σ 3	7.7 *wh.*
10556	H 1579	DM (26°) 4006	44 44	26 45	300.7	3±	10–11=10–11	1828+	H	
10557	β 366	O. Arg. N. 21157	44 49	50 3	128.5	1.40	8.2... 8.5	1876.44	Δ 5	A and B CD = Δ 23
					3.3	1.07	10.7...11.2	1876.44	Δ 5	C and D
					106.3	50.78	....	1876.30	Δ 3	AB and CD
10558	H 1581	55 *Cygni*	44 50	45 40	173.3	14±	5–6...11	1828+	H	
10559	Σ 2729	4 *Aquarii*	45 4	− 6 4	24.5	0.74	5.9... 7.2	1829.76	Σ 4	*Yel.*
10560	Σ 2732	DM (51°) 2957	45 5	51 28	73.8	3.99	6.7... 8.7	1831.43	Σ 3	6.7 *wh.*
10561	See 431	SD (19°) 5940	45 6	−19 52	341.7	2.63	7.2...13.7	1897.80	See 1	(= See 432)
10562	Σ 2730	DM (5°) 4632	45 8	5 56	339.2	3.43	7.8... 7.9	1830.27	Σ 5	*Yel'sh wh.*
10563	H 1582	DM (38°) 4244	45 12	38 5	328.0	25±	9–10...12	1828+	H	"A *red.*" 8.4 m. in DM
10564	H 3001	....	45 15	−16 57	241±	5±	10 ...10+	1830+	H	
10565	OΣ 415	W2 XXh. 1459	45 37	29 58	237.1	3.44	7.5... 9.5	1846.56	OΣ 5	
10566	β 67	L 40318	45 37	30 28	287.1	1.51	6.9...10.2	1875.45	Δ 4	
10567	H 1584	DM (47°) 3193	45 39	47 38	220.6	3½±	10 ...12	1828+	H	9.2 m. in DM
10568	A 612	DM (7°) 4564	45 43	7 8	11.3	1.54	9.4... 9.6	1903.66	A 2	(*Bul. L. O.* No. 50)
10569	β 250	L 40340	45 51	46 13	7.6	20.30	7.0...12.0	1875.60	Δ 1	
10570	Espin 94	DM (49°) 3386	45 51	49 41	13.1	103.1	6.5...	1901	Es	A and B (*A. N.* 3784)
					80.0	2.4	9.5...10.0	1901	Es	B and C
10571	A 613	A. G. Leip. II. 10415	45 57	5 18	8.8	0.80	8.7... 8.8	1903.71	A 3	(*Bul. L. O.* No. 50)
10572	H 3003	B. A. C. 7237	45 59	−24 14	216.9	3±	6 ...11	1830+	H	
10573	H.C. Wilson 21	....	46 :	−23 50:	19.2	31.06	8.5... 8.8	1883.67	W 1	
10574	β 154	L 40292	46 6	−16 37	63.0	2.74	8.7...10.0	1875.73	Δ 4	
10575	H 3004	....	46 15	62 5	193.5	1½±	13 = 13	1830+	H	
10576	Hu 272	SD (14°) 5873	46 23	−14 43	186.9	3.64	9.0...12.0	1900.68	Hu 3	(*A. J.* 494)
10577	OΣ (App) 211	Radr. 4987	46 24	58 18	261.7	115.15	6.5... 7.2	1875.96	Δ 3	
10578	Hn 42	SD (17°) 6113	46 32	−17 44	228.2	0.99	8.7... 8.9	1881.71	β 3	
10579	Hn 43	DM (2°) 4262	20 46 48	2 45	3.7	1.91	8.4...10.5	1881.64	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10580	Σ 2733	P XX^h. 355	20^h 46^m 48^s	6° 53′	145°.4	40″.20	8.0... 8.3	1832.40	Σ 3	*Very wh.*
10581	Ho 144	W^2 XX^h. 1480	46 56	19 41	167.9	0.42	7.0... 7.0	1886.79	Ho 2	
10582	A 614	A. G. Bonn 14947	47 0	42 11	335.4	1.33	8.5...10.8	1903.61	A 3	(*Bul. L. O.* No. 50)
10583	H 1587	....	47 2	54 24	288.5	4±	11 ...12	1828+	H	
10584	H 1585	....	47 5	15 0	190.0	6±	9 ...11	1828+	H	
10585	Arg. 40	O. Arg. N. 21204	47 11	44 52	251.5	9.22	9.1... 9.3	1902.02	β 2	
10586	H 1588	DM (62°) 1863	47 17	62 30	33.5	18±	9–10..12	1828+	H	
10587	Ho 145	DM (34°) 4186	47 24	34 46	319.5	7.80	8.7...10.2	1886.34	Ho 2	
10588	β 155	O. Arg. N. 21217	47 24	50 58	25.2	0.55	6.5... 7.4	1876.49	Δ 6	A and B
					25.5	17.74	....	1885.53	HΣ 1	AB and C
10589	H 1586	DM (35°) 4302	47 28	35 17	267.3	10±	7–8...12–13	1828+	H	
10590	OΣ 416	W^2 XX^h. 1516	47 42	43 18	146.7	6.97	7.8... 8.1	1846.13	OΣ 3	
10591	OΣ 417	L 40397	48 0	28 42	39.4	0.57	7.5... 8.1	1847.98	OΣ 5	A and B
					109.0	30.49	... 9.4	1847.98	OΣ 5	AB and C
10592	Arg. 41	O. Arg. N. 21247	48 2	53 36	183.9	9.58	8.7... 8.8	1901.57	β 2	*Reddish: greenish*
10593	H 3005	DM (3°) 4451	48 6	3 30	292.2	18±	8–9...12	1830+	H	A very *red*
10594	Ho 597	W^2 XX^h. 1513	48 12	19 8	220.9	9.62	7.7...12	1895.75	Ho 2	(*A. N.* 3558)
10595	Σ 2734	DM (12°) 4494	48 21	12 39	181.7	28.50	8.2... 8.7	1829.79	Σ 3	*White*
10596	H 1589	....	48 33	27 36	....	....	10 ...10+	1828+	H	"Neat double star"
10597	OΣ (App) 212	L 40430	48 33	30 30	153.7	65.73	7.7... 9.3	1875.32	Δ 3	
10598	Ho 146	W^2 XX^h. 1543	48 49	34 46	56.5	0.37	8.0... 8.1	1886.30	Ho 2	
10599	Hu 81	SD (12°) 5865	48 58	−12 15	5.3	0.32	8.6... 8.9	1899.65	Hu 3	(*A. J.* 480)
10600	H 1591	....	48 59	45 47	124.0	4±	11 ...12	1828+	H	
10601	Lv 8	SD (11°) 5465	49 7	−11 20	299.4	1.39	8.4... 9.6	1886.72	Lv 2	
10602	Hu 762	DM (60°) 2172	49 28	60 59	151.9	1.78	8.7...10.0	1904.48	Hu 1	
10603	H 5514	....	49 31	− 5 31	200±	7±	12 ...13	1823+	H	A and B
					70±	12±	...12	1823+	H	A and C
10604	H 1590	....	49 37	−16 59	244.3	4½±	10 ...11	1828+	H	"Fine"
10605	Σ 2735	P XX^h. 376	49 40	4 4	289.7	2.13	6.2... 7.7	1829.48	Σ 3	*Very yel.: ash*
10606	OΣ 420	B. A. C. 7260	49 53	40 15	0.6	5.79	7.0...11.2	1848.30	OΣ 2	
10607	β 367	L 40478	49 54	27 38	115.7	0.55	7.5... 7.9	1876.37	Δ 4	A and B
					28.2	30.88	...12.0	1875.60	Δ 1	AB and C
					92.6	30.94	...14.0	1899.50	A 2	AB and D
10608	OΣ 418	L 40485	49 55	32 15	301.8	0.56	7.3... 7.4	1842.67	OΣ 2	
10609	H 1592	16 *Delphini*	49 55	12 6	22.0	60±	5 ...13	1828+	H	
10610	OΣ 419	W^2 XX^h. 1574	50 1	36 37	40.0	1.78	7.2...10.5	1847.07	OΣ 3	
10611	See 433	Cord. DM (24°) 16378	50 14	−24 45	40.6	2.50	9 ... 9.3	1897.65	See 1	
10612	H 927	SD (2°) 5407, 5408	50 15	− 2 2	350±	18±	9 = 9	1820+	H	
10613	H 1595	....	50 17	57 16	327.0	8±	11 ...11+	1828+	H	
10614	See 434	Cord. DM (22°) 15096	50 22	−22 6	148.4	4.54	7.5...11.3	1897.80	See 1	
10615	H 1594	....	50 23	47 6	48.7	6±	10 ...11	1828+	H	
10616	β 1034	7 *Aquarii*	50 25	−10 9	165.0	2.09	6.0...11.7	1888.68	β 5	
10617	OΣ 422	L 40531	50 33	44 41	331.9	2.72	7.4... 9.1	1851.35	OΣ 5	
10618	A 751	A. G. Hels. 11728	50 47	58 51	35.6	0.16	6.8... 7.2	1904.48	A 1	
10619	Espin 135	DM (56°) 2509	50 48	56 43	195.9	6.2	7.0...11.2	1902	Es 5	(*M. N.* LXIII, 172)
10620	OΣ 423	L 40539	50 54	42 3	81.3	2.88	6.9... 9.4	1853.06	OΣ 5	6.9 *bluish*
10621	Ho 460	L 40518	50 54	27 7	83.9	12.83	6.9...12.6	1892.75	Ho 3	
10622	OΣ 421 *rej.*	L 40526	50 55	31 38	192.5	37.32	7.3... 9.5	1867.21	Δ 3	
10623	Σ 2736	DM (12°) 4507	51 1	12 32	218.5	5.10	7.5... 8.7	1830.96	Σ 5	*White*
10624	H 1593	....	51 1	12 32	226.1	3±	10 ...11	1828+	H	
10625	H 1596	DM (38°) 4283	51 1	38 34	285.6	10±	9–10..11	1828+	H	
10626	Howe 55	L 40496	51 2	0 0	71.8	26.19	7.0...10.7	1879.50	Cin 2	
10627	Hd Zones	L 40508	51 21	0 8	137.4	41.76	8.2... 8.9	1879.50	Cin 2	
10628	Espin 95	....	20 51 27	46 54	280.0	6.1	9.0...12	1901	Es 1	A and B
					132.5	10±	10 ...11	1828+	H	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10629	Hu 82	SD (13°) 5803	20h 51m 30s	−13° 5′	13°.0	2″.62	8.5… 8.9	1899.59	Hu 3	(*A. J.* 480)
10630	A 175	A. G. Berlin 8015	51 42	23 13	291.9	1.78	8.0…13.5	1900.65	A 3	A and B
					209.8	16.73	…13.0	1900.66	A 2	A and C
10631	A 752	A. G. Hels. 11746	52 4	56 23	18.2	1.01	9.0… 9.5	1904.48	A 1	
10632	A. G. 268	A. G. Alb. 7348	52 12	4 19	288.1	11.23	8.4…11.0	1903.11	M 3	
10633	Barnard 13	DM (3°) 4467	52 14	3 29	84.7	1.42	10.1…11.3	1891.83	β 3	A and B
					251.4	23.46	…11.8	1891.83	β 3	A and C
10634	β 764	SD (9°) 5631	52 22	− 9 50	354.4	0.90	9.0… 9.2	1880.55	β 1	A and B
					112.9	99.62	… 9.0	1880.55	β 1	AB and C
					21.6	137.45	… 9.0	1880.55	β 1	AB and D
10635	H 1598	….	52 25	21 44	141.1	5±	10 …10–11	1828+	H	
10636	Hu 763	DM (35°) 4330	52 27	35 10	271.9	1.69	9.0…11.3	1904.47	Hu 3	
10637	H 1599	DM (27°) 3932	52 28	27 34	219.7	7±	9–10…11	1828+	H	
10638	Hu 83	SD (13°) 5810	52 29	−13 40	76.9	0.21	8.5… 8.7	1899.59	Hu 3	(*A. J.* 480)
10639	β 1137	B. A. C. 7278	52 37	50 16	344.3	6.88	6.0…13.7	1889.44	β 3	
10640	Σ 2738	W² XXh. 1330	52 57	15 58	254.4	14.69	7.2… 8.2	1830.48	Σ 3	7.2 *wh.*
10641	A 754	A. G. Hels. 11754	52 59	58 38	16.1	0.79	8.5… 9.5	1904.48	A 1	
10642	Ho 598	L 40615	53 0	28 49	111.2	16.78	8 …12	1895.71	Ho 3	(*A. N.* 3558)
10643	Σ 2737	ε *Equulei*	53 5	3 50	294.0	0.35	5.7… 6.2	1835.67	Σ 4	A and B AB *yel'sh:* C *ashy wh.*
					78.1	10.85	… 7.1	1833.39	Σ 10	AB and C
10644	A 400	A. G. Bonn 14897	53 5	40 31	66.0	1.64	9.2… 9.4	1902.62	A 4	(*Bul. L. O.* No. 29)
10645	H 1600	DM (37°) 4121	53 6	38 5	157.7	14±	10 …10–11	1828+	H	
10646	β 765	Lac. 8632	53 9	−35 45	139.1	2.06	6.9…12.3	1891.85	β 3	
10647	Hu 363	DM (17°) 4477	53 13	17 55	94.3	0.60	9.3… 9.3	1901.63	Hu 3	(*Bul. L. O.* No. 12)
10648	H 928	DM (2°) 4280	53 25	2 12	90±	6±	9–10…13–14	1820+	H	
10649	A 755	A. G. Hels. 11760	53 28	56 28	355.6	0.16	8.5… 8.5	1904.45	A 1	
10650	OΣ 424	L 40628	53 39	15 6	328.7	0.46	7.5… 8.7	1846.19	OΣ 2	A and B
					306.2	34.17	…10.0	1891.82	β 1	AB and C
10651	Hn 165	O. Arg. S. 21032	53 49	−18 7	161.3	3.01	8.7…10.5	1888.73	Com 3	
10652	Ho 461	SD (17°) 6149	53 58	−17 33	224.7	1.82	9.5…10.0	1890.74	Ho 1	
10653	Σ 2740	DM (60°) 2179	54 13	61 6	329.1	4.17	7.7…10.0	1832.29	Σ 4	7.7 *yel'sh wh.*
10654	OΣ (App) 213	L 40657	54 15	16 21	37.0	70.91	6.7… 8.9	1875.74	Δ 4	
10655	Σ 2739	DM (19°) 4589	54 20	19 36	252.0	3.22	8.3… 8.8	1831.23	Σ 5	*White*
10656	β 678	L 40636	54 20	− 8 49	185.9	2.45	8.0…11.5	1878.78	β 1	
10657	A 757	A. G. Bonn 14930	54 37	47 6	102.6	4.04	8.7…14.0	1904.42	A 1	
10658	Hu 764	DM (35°) 4344	54 38	35 58	187.5	0.33	7.5… 8.7	1904.47	Hu 3	
10659	Σ 2741	P XXh. 429	54 39	50 0	35.8	1.93	6.0… 7.3	1831.49	Σ 3	*White*
10660	A 756	A. G. Hels. 11789	54 41	58 21	220.3	0.47	7.3… 8.0	1904.48	A 1	
10661	H 3006	DM (2°) 4285	54 51	2 29	300±	½±	10 …	1830+	H	
10662	H 1601	DM (36°) 4358	54 58	36 36	147.0	4±	10 …10–11	1828+	H	
10663	….	L 40682	54 58	18 52	332.7	44.66	6.2… 8.7	1880.63	β 2	
10664	Σ 3133	O. Arg. N. 21458	54 59	60 54	102.4	3.56	7.4… 8.9	1832.40	Σ 4	*Yel'sh: ash*
10665	Barnard 14	DM (37°) 4133	55 1	37 24	250.4	0.92	9.5… 9.8	1899.82	Bar 3	A and B (*A. J.* 480)
					111.7	7.87	…15	1899.82	Bar 2	AB and C
10666	A 176	A. G. Berlin 8043	55 23	20 29	143.8	0.33	9.2… 9.3	1900.69	A 4	
10667	Ho 147	L 40731	55 30	36 30	353.3	6.97	7.2…13.3	1885.37	Ho 3	
10668	β 1329	A. G. Leid. 8636	55 34	33 43	58.8	0.30	8.5… 8.7	1902.62	β 3	A and B
					31.8	6.47	… 9.6	1902.62	β 4	AB and C
10669	β 68	O. Arg. N. 21466	55 36	49 45	153.1	1.79	8.5… 9.2	1875.21	Δ 4	
10670	Σ 2743	59 *Cygni*	55 44	47 3	352.4	20.23	4.7… 9.0	1831.86	Σ 2	A and B *Greenish wh.: blue*
					140.6	26.73	…11.5	1879.35	β 1	A and C
10671	H 929	SD (10°) 5575, 5574	55 46	−10 8	345±	17±	10 …10+	1820+	H	
10672	Ho 148	W¹ XXh. 1402	56 1	3 18	205.0	2.39	7.5…11.5	1884.84	Ho 2	(*A. N.* 2779)
10673	See 435	Lac. 8660	56 2	−28 12	289.7	0.19	7.2… 8.2	1897.66	See 1	
10674	H 1604	….	20 56 6	48 43	129.0	18±	10 …10	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10675	β 1210	P XX^h. 440	20^h 56^m 6^s	48°13′	119°9	2″30	7.6...12.3	1890.63	β 3	A and B
					27.6	12.33	....	1847.49	OΣ 3	A and C ACD = OΣ 425
					134.2	4.28	10.8...11.2	1890.63	β 3	C and D
					18.0	45.17	....	1898.46	β 2	A and E
10676	Σ 2742	2 (λ) *Equulei*	56 17	6 43	224.7	2.58	7.1... 7.1	1831.57	Σ 4	*Very wh.*
10677	Hu 589	DM (49°) 3294	56 18	49 15	181.2	1.04	9.0...11.0	1902.55	Hu 4	(*Bul. L. O.* No. 27)
10678	A 615	A. G. Alb. 7370	56 23	4 44	127.9	3.03	9.0...12.0	1903.71	A 3	(*Bul. L. O.* No. 50)
10679	H 1603	DM (9°) 4701	56 24	9 48	119.0	12±	10 ...11	1828+	H	
10680	Hd Zones	DM (0°) 4644	56 24	0 10	*sp*	3±	9 ...12	....	Hd	
10681	H 1605	....	56 37	54 1	200±	....	....	1828+	H	
10682	Espin 136	DM (56°) 2520	56 42	56 46	340.6	5.1	9.2... 9.3	1902	Es 1	(*M. N.* LXIII, 172)
10683	See 436	O. Arg. S. 21069	56 47	−24 48	88.3	0.23	8 ... 8.3	1897.71	See 2	
10684	β 1290	DM (46°) 3142	56 50	47 1	16.3	3.90	9.2... 9.4	1898.44	β 3	A and B
					271.3	3.05	...13.1	1898.44	β 3	A and *a*
					25.4	2.42	...13.8	1898.44	β 3	B and *b*
10685	Σ 2744	DM (0°) 4648	56 58	1 4	190.5	1.52	6.3... 7.0	1830.16	Σ 5	*White*
10686	OΣ 426	60 *Cygni*	56 59	45 41	166.8	2.54	5.8...10.0	1848.77	OΣ 5	
10687	H 1606	DM (53°) 2533	57 5	54 4	185.1	12±	9–10...10	1828+	H	
10688	β 472	DM (61°) 2078	57 9	61 24	5.8	0.66	8.2... 8.5	1877.69	Δ 3	
10689	β 69	W^2 XX^h. 1743	57 11	21 13	314.6	0.97	8.2... 9.0	1875.42	Δ 3	A and B
					238.4	78.44	... 7.0	1875.81	Δ 1	AB and C
					154.6	19.47	...13	1891.84	β 1	C and D
10690	Σ 2746	DM (38°) 4318	57 13	38 47	276.2	0.87	8.0... 8.6	1830.82	Σ 4	*Yel'sh: wh.*
10691	β 1211	L 40744	57 15	−18 35	344.7	0.58	7.5... 8.1	1890.65	β 3	
10692	Lv 9	DM (38°) 4319	57 25	38 45	192.8	2.35	9.0...10.6	1896.57	Lv 4	(*A. J.* 407)
10693	Ho 600	L 40805	57 28	43 43	80.0	2.00	7 ...12	1896.77	Ho 1	(*A. N.* 3558)
10694	H 272	W^1 XX^h. 1436	57 33	12 29	190±	15±	9 ...10	1820+	H	
10695	H 1607	DM (60°) 2190	57 36	61 1	102.2	8±	9 ...11–12	1828+	H	
10696	β 156	Groom. 3369	57 39	46 6	241.6	1.05	7.1... 9.4	1875.41	Δ 4	
10697	Σ 2747	DM (37°) 4153	57 40	37 11	257.5	4.55	8.2... 8.2	1830.15	Σ 3	*White*
10698	Σ 2745	12 *Aquarii*	57 44	− 6 18	189.6	2.67	5.6... 7.7	1831.30	Σ 4	*Yel'sh: blue*
10699	H IV. 113	B. A. C. 7313	57 45	39 2	298.4	17.50	....	1783.75	H 1	A and B
					250.0	25.80	...12	1878.47	β 1	A and C
10700	Ho 281	DM (23°) 4224	58 10	23 31	298.8	13.08	7.0...13	1889.93	Ho 1	(*A. N.* 2977)
10701	H 5244	SD (5°) 5451	58 22	− 4 58	138.8	15±	9 ...10	1836.7	H	
10702	β 445	*Cygni* 287	58 23	28 37	106.6	4.60	7.5...12.0	1877.58	Δ 1	
10703	Ho 462	L 40790	58 27	−11 34	215.7	2.90	8 ... 9	1892.79	Ho 1	
10704	H 3007	Cord. DM (25°) 15218	58 29	−25 14	217.8	6±	8–9... 9	1830+	H	
10705	β 1138	L 40856	58 34	45 22	188.7	0.29	7.2... 8.5	1889.44	β 3	(= Ho 282)
10706	OΣ 427	L 40834	58 38	30 35	149.2	5.32	7.2...11.3	1846.07	OΣ 3	
10707	β 269	L 40815	58 39	7 17	252.6	1.08	8.1...10.1	1876.18	Δ 5	(= β 835)
10708	β 1139	Groom. 3375	58 39	56 36	138.6	1.86	6.0...12.5	1889.37	β 3	
10709	Se 3	DM (2°) 4298	58 43	3 3	148.7	3.51	7.7... 8.9	1830.10	Σ 5	A and BC AB = Σ 2749
					127.0	0.6±	9.5... 9.5	1856.64	Se 1	B and C
10710	H 3008	DM (7°) 4618	58 43	7 22	83.4	25±	9 ...10	1830+	H	
10711	A 177	SD (5°) 5457	58 47	− 5 39	340.7	0.83	9.5... 9.6	1900.67	A 3	
10712	H I. 62	....	58 48:	6 18:	234.8	....	....	1783.40	H 1	
10713	Σ 2751	*Cephei* 83	58 50	56 12	344.1	1.86	6.0... 7.0	1831.96	Σ 4	*Very wh.*
10714	β 70	L 40824	58 52	11 33	96.7	5.16	10.2...10.4	1891.63	β 2	B and C
					238.8	78.63	8.0...	1891.64	β 2	A and B
					236.4	74.80	....	1899.50	β 2	A and C
10715	H 1609	DM (28°) 3976	58 53	28 12	219.6	5±	10 = 10	1828+	H	
10716	H 1608	L 40838	59 9	11 58	256.2	5±	7 ...11	1828+	H	
10717	A. G. 269	DM (20°) 4822	59 11	20 24	174.4	7.55	8.8...10.4	1902.76	M 3	
10718	Σ 2750	L 40846	59 18	12 15	281.5	15.93	7.8... 9.3	1829.51	Σ 3	7.8 *yel'sh*
10719	OΣ (App) 214	P XX^h. 465	20 59 23	41 9	184.8	57.39	5.7... 8.0	1875.33	Δ 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10720	**H 1610**	....	20^h 59^m 28^s	35°39′	256°.1	6″ ±	11 ...14	1828+	H	
10721	**S 773**	W^2 XX^h. 1826	59 56	35 2	30.1	83.25	8 ... 9	1824.80	S 2	
10722	**See 439**	24 *Capricornii*	21 0 6	−25 29	185.7	26.37	4.9...12.2	1897.73	See 3	
10723	**Σ 2753**	DM (34°) 4267	0 7	34 57	346.1	31.15	7.5...11.0	1831.88	Σ 2	*7.5 yel'sh*
10724	**Hu 273**	SD (16°) 5792	0 8	−16 3	117.3	4.13	8.2...13.3	1900.66	Hu 3	(*A. J.* 494)
10725	**Σ 2754**	DM (12°) 4544	0 29	12 42	303.2	34.58	8.0... 8.7	1829.32	Σ 2	*White*
10726	**A 178**	A. G. Berlin 8089	0 30	20 49	72.0	0.82	8.1... 9.3	1900.65	A 3	
10727	**Σ 2752**	*Aquarii* 43	0 31	−14 24	145.2	5.17	6.7...10.7	1827.62	Σ 3	A and B AC = β 157
					81.9	21.36	...12.0	1876.54	Δ 1	A and C
10727½	**Espin 96**	DM (49°) 3455	0 41	50 0	250.9	8.0	8 0...10.0	1901	Es	(*A. N.* 3784)
10728	**Hu 590**	DM (48°) 3279	0 43	48 33	88.3	0.40	8.2... 8.5	1902.61	Hu 3	(*Bul. L. O.* No. 27)
10729	**Σ 2757**	DM (51°) 2991	0 50	51 55	272.7	1.87	7.8... 9.3	1831.78	Σ 3	*7.8 wh.*
10730	**Hall**	....	1 ±	21 8:	64.4	....	6 ... 8	1875.92	Hl 1	
10731	**β 368**	*Aquarii* 45	1 1	− 8 43	99.3	0.49	7.4... 7.7	1876.10	Δ 3	A and B
					317.9	6.15	14 ...14.7	1890.65	β 2	C and D
					27.2	12.02	....	1890.65	β 2	AB and C
10732	**Σ 2758**	61 *Cygni*	1 14	38 8	91.1	15.63	5.3... 5.9	1831.70	Σ 4	*Yel. or golden*
10733	**Σ 2756** *rej.*	W^2 XX^h. 1856	1 16	26 26	47.4	11.52	8.5...11.0	1879.61	Cin 1	
10734	**Hu 84**	SD (12°) 5911	1 19	−12 40	327.3	4.50	9.0...14.2	1899.62	Hu 2	(*A. J.* 480)
10735	**H 274**	....	1 20:	11 24:	93±	5±	9 ...10	1820+	H	
10736	**β 473**	SD (10°) 5606	1 24	−10 41	115.5	1.74	9.0...10.2	1877.08	Δ 3	
10737	**Σ 2755**	L 40917	1 24	− 0 39	84.7	23.90	6.7...10.3	1827.65	Σ 3	*6.7 very yel.*
10738	**β 679**	....	1 24	43 12	68.1	0.38	10 ...10	1878.10	β 2	
10739	**Ho 149**	W^1 XX^h. 1527	1 26	−12 10	155.4	0.51	8.5... 8.5	1885.25	Ho 2	
10740	**Hu 364**	DM (22°) 4306	1 28	22 37	85.2	0.29	9.5... 9.8	1901.66	Hu 3	(*Bul. L. O.* No. 12)
10741	**Σ 2759**	DM (31°) 4337	1 29	31 58	316.4	14.57	8.5... 9.5	1830.86	Σ 3	
10742	**H 275**	DM (14°) 4537	1 32	14 55	3±	20±	9 ...11	1820+	H	
10743	**β 158**	L 40984	1 37	47 19	314.9	10.44	7.3...11.8	1875.72	Δ 3	
10744	**H 3009**	χ *Capricorni*	1 41	−21 41	68.5	70±	6 ...12	1830+	H	A and B
					90±	10±	...13	1830+	H	B and C
10745	**H 1611**	....	1 49	27 47	304.8	8±	11 ...11+	1828+	H	
10746	**Σ 2760**	W^2 XX^h. 1876	1 52	33 39	223.2	13.66	7.3... 8.1	1829.87	Σ 2	*Yel'sh wh.: ashy*
10747	**β 680**	DM (53°) 2546	1 52	53 11	128.3	0.63	8.1... 8.6	1877.70	Δ 2	A and B
					32.8	23.31	...10.7	1891.66	β 2	A and C
10748	**Hu 691**	DM (34°) 4285	1 53	34 26	310.9	0.33	8.5... 9.0	1903.50	Hu 2	(*Bul. L. O.* No. 57)
10749	**OΣ 527**	DM (4°) 4615	2 1	4 40	306.2	0.40	6.5... 8.0	1846.85	OΣ 1	
10750	**H 3011**	W^1 XX^h. 1551	2 1	5 10	255.4	20±	8 ...11	1830+	H	
10751	**H 1612**	....	2 3	−16 48	143.8	4±	10 ...11	1828+	H	
10752	**Σ 2761**	W^2 XX^h. 1880	2 10	24 0	112.2	5.41	8.7... 9.2	1831.46	Σ 3	*Very wh.*
10753	**Ho 150**	W^2 XX^h. 1884	2 24	18 22	135.6	2.97	9.0...11.5	1882.00	Ho 3	
10754	**β 836**	DM (47°) 3291	2 27	47 54	191.4	0.62	9.0... 9.1	1881.63	β 3	A and B
					65.0	1.27	10.2...11.2	1889.29	β 3	C and D
					219.1	27.38	....	1881.63	β 3	AB and CD
10755	**β 988**	DM (40°) 4413	2 28	40 56	238.1	1.20	8.9...11.7	1880.63	β 3	A and B
					55.4	16.07	... 8.9	1880.58	β 3	A and C
10756	**Espin 32**	63 *Cygni*	2 28	47 10	151.3	15.63	4.1...13.6	1899.86	Es 5	(*A. N.* 3717) (See p. 1084)
10757	**H 276**	....	2 31	11 45	240±	5±	12 ...13	1820+	H	
10758	**H 1613**	DM (40°) 4414	2 34	41 3	1.0	10±	9–10...11–12	1828+	H	"In cluster"
10759	**A 758**	A. G. Hels. 11899	2 41	60 0	171.1	0.28	9.5... 9.5	1904.48	A 1	A and B
					189.0	8.95	...14.0	1904.48	A 1	AB and C
10760	**β 837**	DM (−0°) 4170	2 43	− 0 16	189.7	3.70	8.4...10.1	1881.73	β 3	
10761	**H 1614**	....	2 52	33 53	264.7	6±	11 ...12–13	1828+	H	
10762	**Hu 765**	O. Arg. N. 21691	2 52	61 41	42.6	0.43	9.0... 9.5	1904.48	Hu 1	B and C AB = Σ 2764
					302.2	6.84	8.0... 8.5	1831.99	Σ 3	A and BC
10763	**See 440**	Cord. 21^h. 84	2 58	−26 32	69.8	9.82	7.9...12.8	1897.23	See 3	
10764	**H 5515**	....	21 3 ±	3 41	15±	....	10...10...10	1823+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10765	**Hd 162**	....	21^{h} 3^{m} ±^{s}	− 4°56:′	....	....	....	1868.61	Hd	No description
10766	**OΣ 428** *rej.*	DM (6°) 4759	3 4	6 14	256°.1	23′.99	7.8... 9.3	1866.28	Δ 3	
10767	**H 3010**	....	3 4	−19 3	298.5	18±	9 ... 9+	1830+	H	
10768	**H 1615**	....	3 13	44 46	92.5	6±	11 ...12	1828+	H	
10769	**Hu 366**	SD (17°) 6195	3 13	−17 44	279.1	0.27	9.4... 9.8	1901.33	Hu 3	(*Bul. L. O.* No. 12)
10770	**β 1330**	DM (3°) 4509	3 16	3 40	57.4	3.33	9.5...13	1904.52	β 3	
10771	**Hu 365**	DM (17°) 4509	3 22	17 19	17.4	1.04	9.0...13.2	1901.63	Hu 3	(*Bul. L. O.* No. 12)
10772	**OΣ 429** *rej.*	L 41005	3 22	4 33	....	....	8.0...	....	OΣ	
10773	**Σ 2762**	P XXI^{h}. 1	3 33	29 43	315.6	3.55	6.0... 8.0	1829.75	Σ 3	*Greenish wh.: bluish*
10774	**Σ 2771**	DM (70°) 1162	3 33	70 17	212.6	2.70	8.8... 8.8	1832.98	Σ 3	
10775	**Σ 2763**	DM (16°) 4466	3 52	16 52	294.2	16.84	8.5... 9.7	1829.14	Σ 3	
10776	**Hu 85**	Cord. DM (29°) 17611	3 53	−29 27	144.5	2.87	8.6...11.8	1899.64	Hu 3	(*A. J.* 480)
10777	**Σ 2766**	O. Arg. N. 21720	3 54	58 31	249.3	5.07	8.3... 8.5	1831.63	Σ 3	*White*
10778	**Hd 163**	....	4 :	− 5 50:	....	....	....	1868.61	Hd	No description
10779	**Hd Zones**	DM (0°) 4674	4 0	0 49	138.3	0.72	9.0... 9.0	1877.06	Δ 3	
10780	**H 930**	....	4 6	− 9 9	115±	4±	11 ...11	1820+	H	
10781	**S 779**	L 41086	4 26	38 14	10.8	114.78	8 ...10	1824.81	S 2	
10782	**Knott 4**	γ *Equulei*	4 30	9 39	276.8	2.13	...11.0	1867.50	Kn 2	A and B
					9.2	43.32	...12	1888.82	β 3	A and C } AC=β 71
					153.2	366.18	4.2... 5.7	1835.69	Σ 6	A and D
10783	**H 5251**	O. Arg. S. 21189	4 39	−23 36	308.2	7±	9 ... 9½	1834.6	H	
10784	**Dunér 3**	DM (28°) 4015	4 41	28 21	198.1	6.36	9.3... 9.4	1873.06	Du 3	
10785	**Arg. 42**	O. Arg. N. 21731	4 45	47 46	....	....	8–9...	....	....	
10786	**H 1616**	....	4 51	30 31	279.3	4±	10 ...11	1828+	H	"A third *nf*, and others near"
10787	**β 251**	O. Arg. S. 21193	4 53	−31 5	233.6	2.71	7.0... 9.5	1877.70	Cin 1	
10788	**Ho 151**	DM (3°) 4513	4 54	3 22	190.3	1.05	8.5... 8.5	1884.88	Ho 2	
10789	**Hu 766**	DM (61°) 2096	4 55	61 44	114.0	0.77	8.5...10.0	1904.48	Hu 1	
10790	**Hu 367**	DM (16°) 4468	4 57	16 21	10.1	0.28	8.9... 9.8	1901.63	Hu 3	(*Bul. L. O.* No. 12)
10791	**H 3012**	Cord. DM (28°) 17165	5 0	−28 4	323.6	25±	9 ... 9–10	1830+	H	
10792	**Σ 2767**	DM (19°) 4638	5 1	19 28	30.6	2.46	7.8... 8.2	1830.40	Σ 3	*Very wh.*
10793	**A 760**	A. G. Hels. 11935	5 2	58 38	339.3	3.24	9.0...10.5	1904.48	A 1	
10794	**Σ 2765**	W^{1} XXI^{h}. 55	5 8	9 4	85.7	2.99	7.8... 8.0	1830.48	Σ 3	*White*
10795	**Σ 2769**	DM (21°) 4486, 4485	5 8	21 58	300.8	17.83	6.5... 7.5	1830.17	Σ 3	*White*
10796	**Σ 2770**	L 41077	5 21	− 3 37	247.1	7.24	7.0...10.5	1828.16	Σ 3	7.0 *yel.*
10797	**Σ 2772** *rej.*	DM (43°) 3823	5 32	43 52	....	Cl. III	9 ...10	....	Σ	
10798	**H. C. Wilson 22**	Cord. DM (23°) 16765	5 35	−23 11	36.5	9.42	9.2... 9.8	1885.36	W 3	(Cin^{10})
10799	**Σ 2768**	L 41095	5 38	− 6 18	193.5	7.70	7.1...10.1	1829.73	Σ 4	7.1 *yel.*
10800	**H 1618**	DM (43°) 3824	5 41	43 30	172.0	15±	9–10..14	1828+	H	
10801	**H I. 47**	O. Arg. S. 21208	5 42	−15 29	336.8	....	....	1802.66	H 1	
10802	**H 277**	....	5 49:	11 54:	315±	8±	10 ...11	1820+	H	
10803	**Σ 2773**	W^{2} XXI^{h}. 93	5 50	43 30	118.4	3.25	8.2... 9.0	1832.04	Σ 3	A and B } AB *very wh.*
					63.5	22.13	...13.0	1879.57	β 1	A and C
10804	**H 1621**	DM (54°) 2485	6 1	54 33	150±	11±	9 ...14	1828+	H	
10805	**A 179**	SD (2°) 5477	6 2	− 2 32	238.7	0.32	9.3... 9.6	1900.79	A 3	
10806	**H 1617**	....	6 6	−21 40	85±	....	....	1828+	H	
10807	**Ho 283**	L 41155	6 14	35 49	210.6	22.18	6.8...12.5	1887.75	Ho 1	
10808	**β 159**	L 41178	6 21	47 12	318.4	1.33	6.1... 9.2	1876.69	Δ 6	A and B
					189.6	134.14	... 6.9	1875.72	Δ 4	A and C
10809	**OΣ 430**	L 41144	6 35	23 40	219.5	1.50	7.8... 9.8	1846.80	OΣ 3	
10810	**H 3013**	....	6 38	4 7	119.0	5±	11 ...12	1830+	H	"Neat star"
10811	**H 1622**	DM (54°) 2487	6 39	54 42	293.8	8±	10 ...11	1828+	H	
10812	**H 1619**	W^{1} XXI^{h}. 93	6 45	14 2	170.0	5±	9 ...11	1828+	H	
10813	**H 1620**	....	6 45	13 2	175.8	4±	10 ...11	1828+	H	A and B
					330±	5±	13 ...14	1828+	H	C and D
10814	**β 1303**	L 41147	6 56	2 19	236.5	4.02	7.0...13.2	1900.61	β 3	
10815	**OΣ 431**	L 41190	21 6 57	40 45	117.3	3.19	7.6... 8.0	1846.70	OΣ 4	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10816	Σ 2774 *rej.*	DM (25°) 4484	21^h $7^m 14^s$	25°49′	337°.2	28″.22	8.8...10.8	1904.47	β 2	
10817	Ho 152	DM (27°) 4003	7 20	27 51	320.2	0.49	8.4... 8.5	1882.66	Ho 2	
10818	β 270	*Equulei* 19	7 31	6 43	354.6	0.62	7.4... 9.7	1875.82	Δ 2	A and B
					32.7	32.55	...12.7	1898.70	β 2	A and C
					173.0	183.24	6½... 7	1824.99	S 2	A and D
10819	β 681	DM (16°) 4475	7 40	16 26	239.7	2.51	7.0...11.3	1878.64	β 3	
10820	H 1623	DM (36°) 4461	7 42	36 50	332.3	10±	10 = 10	1829+	H	
10821	H 3014	O. Arg. S. 21234	7 43	−26 24	300.3	4±	9 = 9	1830+	H	
10822	Doo 16	DM (55°) 2538	7 44	55 51	30.6	1.02	8.6... 9.1	1900.65	Doo 3	(*Pub. Flower Obsy.* I)
10823	H 1624	....	7 46	48 10	190.2	11±	9 ...12	1828+	H	"Places ill-determined in this sweep"
10824	β 160	L 41242	7 48	45 13	116.7	6.11	11.0...11.2	1892.67	W 1	B and C
					154.3	56.96	7.5...	1892.67	W 1	A and B
10825	H 278	DM (10°) 4490	8 0	10 15	255±	20±	....	1820+	H	Mags. 9.0...10.5 (1876)
10826	H 3015	DM (6°) 4778	8 21	6 34	282.8	15±	10 ...11	1830+	H	
10827	Σ 2775	L 41212	8 30	− 1 20	178.8	21.14	7.5...10.2	1825.88	Σ 2	
10828	β 682	L 41222	8 30	4 12	105.6	5.64	7.5...12.0	1877.77	β 1	
10829	OΣ 535	δ *Equulei*	8 38	9 31	20.6	0.44	4.5... 5.0	1852.65	OΣ 2	A and B (AC= Σ 2777)
					38.8	27.40	4.1...10.2	1833.20	Σ 12	AB and C
10830	H 1625	....	8 39	47 50	91.0	7±	11 ...11+	1828	H	
10831	Espin —	DM (52°) 2883	8 44	52 47	....	4±	9.0...12	1903	Es	(*M. N.* LXIV, 238)
10832	Σ 2780	P XXI^h. 51	8 45	59 30	228.8	1.12	6.2... 7.2	1831.82	Σ 3	*White*
10833	Hu 767	DM (15°) 4375	8 50	15 29	162.4	0.22	7.0... 7.0	1903.36	Hu 1	
10834	Σ 2776	SD (10°) 5630	8 55	−10 51	51.1	84.94	7.7... 9.0	1832.56	Σ 5	A and B 7.7 *yel.*
					340.9	5.87	...10.0	1833.08	Σ 6	B and C
10835	Σ 2779	DM (28°) 4031	9 16	28 35	189.5	19.22	8.5... 8.5	1828.81	Σ 2	*Yel'sh*
10836	H 1626	DM (23°) 4272	9 21	23 56	167.4	9±	10 ...11	1828+	H	
10837	OΣ (App) 216	W^2 XXI^h. 183	9 23	33 48	47.1	101.91	6.7... 7.2	1875.20	Δ 3	
10838	Σ 2778	L 41256	9 28	− 1 44	267.0	21.19	8.4...10.6	1828.24	Σ 4	8.4 *yel'sh*
10839	Hu 768	DM (34°) 4350	9 36	34 7	124.8	1.58	8.8...13.0	1902.64	Hu 1	
10840	Σ 2794 *rej.*	DM (85°) 359	9 37	85 24	89.9	18±	8 ...11–12	1830+	H	From H (V)
10841	OΣ 432	P XXI^h. 50	9 43	40 39	130.4	1.20	6.8... 7.2	1847.94	OΣ 4	*Golden*
10842	H 1627	....	9 52	32 10	182.2	2½±	13 ...14	1828+	H	
10843	Δ 24	14 *Aquarii*	9 52	− 9 43	146.6	0.47	6.9... 6.9	1876.04	Δ 4	
10844	Hd 164	....	10 ±	− 4 39:	....	....	....	1868.61	Hd	No description
10845	H 5516	....	10 ±	2 29	340±	....	9 ...18	1823+	H	
					....	....	20 ...20	1823+	H	
10846	A.G.Clark 13	τ *Cygni*	10 0	37 32	174.5	1.24	4.9... 7.4	1875.12	Δ 2	A and B
					260.3	15.68	....	1876.90	Hl 1	A and C
10847	H 1628	DM (32°) 4102	10 14	32 6	254.5	10±	9–10...11	1828+	H	
10848	Ho 284	DM (15°) 7382	10 20	15 29	86.0	3.81	9.0... 9.3	1886.77	Ho 2	(*A. N.* 2977)
10849	Σ 2781	W^1 XXI^h. 181	10 20	− 8 9	172.1	3.27	7.8... 7.8	1828.11	Σ 3	*White*
10850	H 3016	....	10 25	−19 46	330.2	8±	11–12..12–13	1830+	H	
10851	β 1261	DM (15°) 4384	10 29	15 36	148.9	1.72	8.5... 9.7	1891.85	β 3	
10852	O. Stone 54	O. Arg. S. 21272	10 42	−27 44	237.9	7.56	8.5... 9.2	1876.69	Cin 2	
10853	Ho 285	W^1 XXI^h. 284	10 45	36 45	24.9	8.58	7.0...12.2	1888.74	Ho 2	
10854	Σ 2783	DM (57°) 2303	10 48	57 48	43.2	1.33	8.0... 8.0	1831.79	Σ 3	*White*
10855	β 161	W^1 XXI^h. 197	10 53	− 4 45	316.8	7.10	10.2...11.5	1891.64	β 2	B and C
					350.2	101.01	8.1...	1891.62	β 2	A and B
					315.3	34.10	....	1891.65	β 1	A and *a*
					15.8	11.66	13.5...13.5	1891.65	β 1	*a* and *b*
10856	H 3017	O. Arg. S. 21278	11 7	−21 45	200.1	12±	9–10...12	1830+	H	
10857	H 3018	Cord. DM (24°) 16553	11 9	−24 25	162.7	18±	10 ...10	1830+	H	
10858	H 1630	DM (56°) 2546	11 9	56 32	124.3	15±	9–10...11	1828+	H	
10859	Σ 2784	DM (73°) 926	11 12	73 34	347.7	14.09	8.5...10.5	1833.05	Σ 4	8.5 *yel'sh*
10860	H 1629	DM (46°) 3242	11 13	46 8	78.8	10±	10 ...11	1828+	H	
10861	Hu 274	DM (4°) 4642	21 11 14	4 8	149.2	4.16	8.5...15.8	1900.56	Hu 2	(*A. J.* 494)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10862	H 1631	O. Arg. N. 21927	$21^h\ 11^m\ 15^s$	50°47′	5°0	30″±	7 ...	1828+	H	
10863	Ħ I. 48	DM (63°) 1708	11 15	63 55	259.8	Cl. I	....	1783.18	Ħ 1	
10864	See 443	Cord. 21^h. 345	11 45	−27 7	275.7	2.03	7 ...10.8	1897.63	See 1	
10865	A 294	A. G. Berlin 8152	11 46	25 4	215.2	4.41	9.0...12.2	1901.69	A 2	A and B
					179.8	14.72	...14.0	1901.69	A 2	A and C
10866	H 279	....	11 50:	11 49:	295±	3±	11 = 11	1820+	H	
10867	Ħ V. 45	....	12 0:	37 17:	*f*	45±	....	1781.75	Ħ 1	
10868	H 3019	DM (9°) 4766	12 2	9 22	314.1	12±	9–10...11	1830+	H	
10869	Ħ N. 139	....	12 6:	−15 48:	....	Cl. I	....	1801.78	Ħ	
10870	Espin 97	DM (44°) 3761	12 8	44 18	291.8	6.6	9.1...10.0	1901	Es	(*A. N.* 3784)
10871	β 162	DM (35°) 4461	12 14	35 16	240.5	1.05	8.0... 8.5	1875.11	Δ 4	
10872	H 3020	....	12 14	9 11	115.9	18±	10 ...10	1830+	H	
10873	H 931	....	12 17	31 32	40±	12±	10 ...10+	1828+	H	Probably DM (31°) 4403
10874	Ħ I. 90	....	12 18:	− 7 37:	167.6	Cl. I	....	1783.58	Ħ 1	
10875	Hu 368	DM (17°) 4542	12 21	18 1	41.7	0.37	9.0...10.7	1901.63	Hu 3	(*Bul. L. O.* No. 12)
10876	H 3021	....	12 23	9 4	242.8	15±	10 ...10+	1830+	H	
10877	A 401	A. G. Bonn 15299	12 34	42 42	150.7	0.39	8.7... 8.8	1902.84	A 3	(*Bul. L. O.* No. 29)
10878	See 444	Cord. 21^h. 370	12 36	−24 16	231.7	12.63	7.5...14	1897.66	See 1	
10879	Ho 153	W^2 XXI^h. 269	12 40	33 15	111.0	0.79	8.0... 9.0	1883.55	Ho 5	
10880	β 163	L 41386	12 47	11 4	252.3	1.15	7.1... 9.0	1876.09	Δ 4	
10881	β 271	Lac. 8777	12 49	−26 51	226.6	2.21	7.2... 9.7	1876.68	Cin 1	A and B
					74.2	74.57	...12.0	1898.84	β 1	A and C
10882	H 1632	....	12 54	27 55	45.4	4±	11 = 11	1828+	H	
10883	Σ 2785	DM (39°) 4510	12 54	39 15	234.9	2.49	8.1...10.0	1832.10	Σ 4	
10884	β 252	L 41364	12 58	−27 49	278.4	2.53	8.2... 8.3	1877.54	Cin 5	
10885	OΣ 433	*υ Cygni*	12 59	34 24	220.1	15.07	4.6...10.2	1849.54	OΣ 4	A and B
					177.5	21.20	...10.2	1849.54	OΣ 4	A and C
10886	H 3022	....	13 0	5 30	77.1	12±	10 ...10–11	1830+	H	A and B
					128.2	25±	... 9–10	1830+	H	A and C
10887	Ho 154	W^2 XXI^h. 283	13 4	30 5	205.1	3.58	7.8...11.0	1882.94	Ho 4	
10888	OΣ 436	L 41565	13 6	75 49	229.7	11.67	7.0...10.5	1848.10	OΣ 3	
10889	H 1633	....	13 11	47 36	240.0	8±	10 ...11	1828+	H	"Unless P = 60°0"
10890	A 616	A. G. Bonn 15312	13 15	42 32	317.0	2.48	9.0...10.5	1903.63	A 2	(*Bul. L. O.* No. 50)
10891	β 289	W^2 XXI^h. 289	13 22	34 25	137.8	0.90	8.2...10.0	1878.53	β 1	A and B
					262.1	5.39	...13.0	1878.53	β 1	A and C
10892	Hu 769	DM (33°) 4222	13 34	34 0	175.3	0.74	9.0...12.0	1904.49	Hu 1	
10893	Hu 770	DM (33°) 4223	13 44	33 17	307.9	1.03	9.0...10.5	1904.49	Hu 1	
10894	H 1634	DM (42°) 4051, 4052	13 45	42 13	133.4	25±	9 ... 9–10	1828+	H	
10895	Hu 86	SD (11°) 5574	13 46	−11 19	238.2	4.39	8.6...12.2	1899.71	Hu 3	(*A. J.* 480)
10896	Σ 2786	*Equulei* 27	13 47	9 1	183.6	2.46	7.0... 8.1	1831.04	Σ 5	*White*
10897	Σ 2788 *rej.*	DM (66°) 1380	13 50	66 51	....	III–IV	8 ...10	....	Σ	
10898	β 1140	Rad^1. 5183	14 1	58 6	276.5	3.89	6.7...12.3	1889.58	β 3	
10899	Hu 692	DM (49°) 3494	14 7	49 26	205.0	0.36	8.2...10.0	1904.34	Hu 2	(*Bul. L. O.* No. 57)
10900	β 1304	L 41433	14 7	− 2 1	58.6	3.11	8.1...12.7	1900.49	β 3	
10901	A. G. 270	A. G. Lund 10048	14 13	38 39	114.0	5.63	8.7... 9.1	1902.62	β 2	
10902	OΣ 434 *rej.*	L 41477	14 17	39 15	121.9	24.52	6.7... 9.5	1866.12	Δ 3	
10903	Ho 601	DM (40°) 4485	14 17	40 32	180.7	17.10	6.5...13	1895.70	Ho 2	
10904	H 1635	....	14 18	47 17	13.0	13±	10–11..13	1828+	H	
10905	H 933	....	14 20	9 48	240±	12±	10 ...11	1820+	H	
10906	See 441	Cord. DM (25°) 15377	14 32	−25 13	16.8	1.98	8.2... 8.3	1897.65	See 1	
10907	Ho 602	....	14 33	40 32	199.5	2.39	11 ...11	1895.70	Ho 1	(*A. N.* 3558)
10908	Ho 286	Yar. 9319	14 35	37 44	250±	0.3±	6 ... 6	1886	Ho	
10909	Ho 155	W^2 XXI^h. 321	14 39	32 45	31.6	2.18	8.0... 9.5	1884.78	Ho 2	
10910	β 838	L 41462	14 51	2 37	90.3	1.29	7.6... 9.5	1881.66	β 3	
10911	H 280	....	14 53:	−12 50:	170±	70±	....	1820+	H	
10912	H 5265	Cord. DM (22°) 15347	21 15 10	−22 53	196.7	20±	9 ... 9½	1834.6	H	*Red: blue*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10913	H 934	SD (9°) 5723	21^h 15^m 14^s	− 9° 17′	70° ±	15″ ±	10 ...11	1820+	H	
10914	OΣ 435	L 41486	15 20	2 23	23.8	0.60	7.5... 8.0	1848.13	OΣ 3	
10915	A 295	A. G. Camb. 12382	15 22	27 13	227.9	0.47	8.5... 8.7	1901.83	A 3	
10916	A 617	A. G. Leip. 10689	15 31	9 50	272.5	0.18	7.0... 7.0	1903.84	A 3	(*Bul. L. O.* No. 50)
10917	H 281	DM (16°) 4505	15 32	16 14	330 ±	12–15	9 ...10	1820+	H	
10918	Espin 98	DM (51°) 3042	15 36	51 49	310.6	26.6	6.5... 9.2	1901	Es	A and B (*A. N.* 3784)
					86.9	29.8	... 9.0	1901	Es	A and C
					255.5	4.9	...13.5	1901	Es	C and D
10919	β 1262	L 41483	15 40	−15 26	113.3	1.79	8.3... 9.0	1891.85	β 3	
10920	Σ 2787	*Schj.* 8640	15 42	1 31	19.5	22.65	7.0... 8.3	1830.45	Σ 4	*White*
10921	β 446	W^2 XXI^h. 344	15 44	32 56	261.7	2.30	9.0...12	1876.80	β 1	
10922	OΣ 437	L 41530	15 46	31 57	67.7	1.37	6.5... 7.2	1845.43	OΣ 4	
10923	S 786	*Cygni* 327	15 49	52 33	302.4	48.74	7 ...11	1824.61	S 2	
10924	A. G. 271	A. G. Lund 10072	15 49	38 21	....	....	8.6...	....	....	
10925	Σ 2790	B. A. C. 7417	15 55	58 7	46.5	4.54	5.6... 9.9	1832.05	Σ 4	A and B *Very red: blue*
					183.2	16.01	...15	1898.73	Bar 2	A and C
10926	Σ 2789	DM (52°) 2916	16 7	52 28	116.4	5.93	7.1... 7.1	1832.86	Σ 4	*Wh.: yel'sh*
10927	A 762	A. G. Bonn 15372	16 9	47 3	354.8	2.97	8.0...14.0	1904.42	A 1	
10928	H 1636	....	16 10	27 24	6.7	3 ±	10–11 = 10–11	1828+	H	
10929	β 839	DM (48°) 3348	16 10	48 50	201.7	15.18	8.5...12.0	1881.47	β 3	A and B
					197.0	21.46	... 9.4	1881.47	β 3	A and C
10930	Espin 137	DM (61°) 2112	16 12	61 21	75.3	2.7	8.9...11.5	1902	Es 2	B and C (*M. N.* LXIII, 172)
					74.5	45.3	... 6.5	1902	Es 3	A and B
10931	Ho 156	L 41557	16 16	40 56	44.8	1.71	7.0...12	1885.84	Ho 2	
10932	Σ 11, App. II	1 *Pegasi*	16 32	19 18	311.2	36.20	4.5... 8.6	1835.86	Σ 4	
10933	Hu 275	DM (7°) 4670	16 35	7 57	65.7	0.33	8.8... 8.9	1900.62	Hu 3	(*A. J.* 494)
10934	Holmes	DM (58°) 2252	16 39	58 11	244.2	12.75	9.0... 9.1	1902.78	Es 2	(*M. N.* LXIV, 680)
10935	β 766	θ^2 *Microscopii*	16 45	−41 31	314.1	0.83	5 ... 6	1879.73	β 2	
10936	H 3023	β *Equulei*	16 56	6 18	259.7	31.58	5 ...13.5	1878.20	β 2	A and B
					308.7	67.4	....	1877.77	β 1	A and C
					10.4	6.03	(14) ...(15)	1877.73	β 1	C and D
					275.9	86.28	....	1878.63	β 1	A and E
10937	A 763	A. G. Hels. 12094	17 8	60 7	213.2	1.05	8.0...12.5	1904.48	A 1	*Orange: blue*
10938	OΣ 438	L 41593	17 13	42 38	354.7	2.28	7.3...10.2	1847.04	OΣ 3	
10939	β 1035	B. A. C. 7422	17 16	−26 4	198.7	1.05	8.0...10.7	1888.74	β 3	
10940	Espin 139	DM (52°) 2921	17 18	52 52	....	5.	9.0...11	1902	Es 1	(*M. N.* LXIII, 172)
10941	Espin 138	DM (60°) 2224	17 18	60 11	265.2	8.4	6.5...12.8	1902	Es 2	(*M. N.* LXIII, 172)
10942	H 1637	W^2 XXI^h. 393	17 28	31 27	105.7	8 ±	9 ...12	1828+	H	
10943	S 788	L 41562, 41563	17 31	− 7 6	83.5	36.78	7 ... 7½	1824.78	S 2	
10944	H 1639	....	17 35	43 37	104.5	5 ±	11 ...12	1828+	H	
10945	H 5517	18 *Aquarii*	17 37	−13 23	270 ±	13 ±	6 ...	1823+	H	
10946	Σ 2791	DM (3°) 4559	17 42	3 51	104.4	2.40	8.5... 9.0	1827.54	Σ 4	*Yel'sh wh.*
10947	β 272	L 41564	17 50	−13 19	253.8	4.52	9.3...11.3	1876.16	Δ 3	
10948	Σ 2792	DM (28°) 4072	17 52	28 27	331.0	7.04	8.5...10.0	1829.12	Σ 3	8.5 *wh.*
10949	Ho 157	W^2 XXI^h. 402	17 55	31 31	21.3	3.81	7.7... 7.7	1882.01	Ho 3	
10950	Hu 369	DM (16°) 4523	17 57	16 46	12.5	1.35	8.9...12.8	1901.63	Hu 3	(*Bul. L. O.* No. 12)
10951	Σ 2796	DM (77°) 811, 812	17 57	78 6	43.8	24.55	7.3... 8.8	1832.65	Σ 3	*Wh.: ashy*
10952	H 3024	SD (19°) 6090	17 59	−19 7	79.0	9 ±	10 ...11	1830+	H	
10953	H 1640	....	18 5	43 38	54.0	6 ±	10–11..11–12	1828+	H	
10954	Ho 287	....	18 8	40 0	189.3	1.61	10 ...10	1889.95	Ho 2	
10955	Σ 2795	Rad^I. 5213	18 13	60 11	301.7	1.45	8.7... 9.5	1833.77	Σ 3	
10956	H 282	W^1 XXI^h. 391	18 26	12 6	60 ±	10–15	9 ...20	1820+	H	
10957	Ku 60	DM (21°) 4538	18 31	22 5	228.1	7.25	10.2...10.3	1901.40	Ku 2	Kustner (3821)
10958	Howe 56	O. Arg. S. 21368	18 33	−20 54	142.9	8.22	8.0...10.0	1879.54	Cin 1	
10959	H 1641	B. A. C. 7437	18 34	23 46	327.5	30 ±	6 ...14	1828+	H	
10960	H 1642	DM (54°) 2526	21 18 35	54 32	177.5	13 ±	10 ...11	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
10961	H 3027	DM (70°) 1178	21^h 18^m 37^s	70°40′	121°5	25″±	9 ... 9–10	1830+	H	
10962	β 447	*Vulpeculae* 129	18 46	24 48	330.4	8.54	6.5...12.5	1878.21	β 2	
10963	Hu 591	DM (51°) 3052	18 47	51 43	151.0	0.68	9.0... 9.5	1902.53	Hu 3	(*Bul. L. O.* No. 27)
10964	A 764	A. G. Hels. 12127	18 50	57 3	254.1	0.40	8.0... 9.2	1904.47	A 2	
10965	Ho 158	W^1 XXI^h. 397	18 51	−10 25	349.4	1.10	9.0... 9.5	1883.78	Ho 2	
10966	Σ 55, App. I	*Cygni* 332, 334	18 57	36 50	302.5	365.42	6.0... 6.6	1835.67	Σ 5	*Yel.: wh.*
10967	Hu 370	DM (20°) 4906	19 11	20 45	110.3	2.04	8.8...13.6	1901.68	Hu 4	(*Bul. L. O.* No. 12)
10968	H 5269	Cord. DM (23°) 16904	19 13	−23 55	342.6	4±	10 = 10	1834.6	H	
10969	β 164	L 41645	19 13	8 52	241.6	0.57	8.0... 8.5	1875.48	Δ 3	A and B } AC = Σ 2793
					242.2	26.51	7.0... 8.7	1828.80	Σ 3	AB and C
10970	β 767	Lac. 8809	19 19	−43 4	146.1	3.40	6.0... 9.0	1879.70	β 2	
10971	OΣ 439	W^1 XXI^h. 414	19 25	1 32	220.6	15.43	7.3...11.2	1850.48	Δ 3	7.3 *wh.*
10972	Hn 44	O. Arg. N. 22177	19 25	50 1	272.3	2.71	8.4...10.4	1881.47	β 3	
10973	A 765	A. G. Bonn 15437	19 31	46 39	41.5	0.31	7.0... 8.0	1904.42	A 1	A and B
					330.6	6.40	14.0...14.5	1904.42	A 1	C and D
					24.6	25.75	....	1904.42	A 1	AB and C
10974	H 1643	....	19 33	48 56	24.0	15±	10 ...12	1828+	H	"Place ill-determined"
10975	Hn 166	O. Arg. S. 21387	19 39	−21 56	60±	3±	9 ...12	....	Hn	
10976	Hd 165	....	19 48:	−28 50:	137.	10±	8½...11	1868.82	Hd	
10977	See 446	ζ *Capricorni*	19 49	−22 56	13.7	21.47	4 ...14	1897.28	See 3	
10978	H 1644	DM (47°) 3396	20 18	47 30	122.2	20±	9 ...11	1828+	H	"The chief star of a poor cluster"
10979	H 5271	....	20 43	−25 24	40.7	1½±	10 ...11½	1834.6	H	
10980	β 683	L 41683	20 43	−20 44	198.4	2.04	8.5...11.0	1877.53	β 1	
10981	H 1645	DM (49°) 3517	20 46	49 43	38.2	7±	10 ...11–12	1828+	H	
10982	H 3028	DM (6°) 4826	20 47	6 11	243.8	12±	10 ...12	1830+	H	
10983	S 790	69 *Cygni*	20 53	36 9	258.6	40.30	6 ...12	1825.27	S 2	
10984	A 618	A. G. Bonn 15471	20 55	41 7	266.1	0.34	8.7... 9.5	1903.57	A 3	(*Bul. L. O.* No. 50)
10985	Σ 2797	DM (13°) 4708	20 56	13 10	213.3	3.18	6.7... 8.2	1830.37	Σ 3	*Very wh.: ash*
10986	Σ 2798	DM (64°) 1538	21 2	64 25	147.1	6.42	7.8... 9.7	1832.30	Σ 3	7.8 *yel'sh wh.*
10987	Hu 592	DM (51°) 3061	21 9	51 57	326.5	1.02	8.2...13.0	1902.54	Hu 3	(*Bul. L. O.* No. 27)
10988	H 283	....	21 21:	−11 20:	55±	10–12	13 ...14	1820+	H	
10989	Schj. 28	L 41705	21 22	−13 57	131.8	2.71	9.3...10.0	1876.45	Δ 3	
10990	A 766	A. G. Hels. 12176	21 24	57 3	204.6	0.49	9.0...10.2	1904.47	A 2	
10991	H 935	....	21 26	33 44	30±	12±	11 ...11+	1820+	H	
10992	H 3029	SD (19°) 6102	21 27	−19 37	358.3	18±	9–10..10	1830+	H	
10993	Ho 159	DM (43°) 3925	21 53	43 18	191.3	6.07	8.5...13	1886.85	Ho 3	
10994	Σ 2801	DM (79°) 701	22 4	79 50	273.0	1.42	7.3... 8.0	1832.38	Σ 3	*Yel.: ashy yel.*
10995	β 1141	O. Arg. N. 22270	22 6	57 43	165.9	2.72	7.7...13.2	1889.58	β 3	
10996	A 619	A. G. Bonn 15503	22 11	41 57	57.3	0.69	8.2... 8.9	1903.68	A 3	(*Bul. L. O.* No. 50)
10997	β 369	Rad^1. 5237	22 31	52 14	31.9	16.26	7.3...11.3	1891.50	β 3	
10998	H 1646	....	22 44	42 44	124.3	12±	9 ...13	1828+	H	
10999	Hu 276	DM (7°) 4698	22 45	7 12	27.3	0.91	9.3... 9.7	1900.62	Hu 3	(*A. J.* 494)
11000	Ku 61	DM (37°) 4317	22 56	38 4	272.7	3.81	9.5...10.0	1901.30	Ku 2	Kustner (3821)
11001	Σ 2799	*Pegasi* 20	23 2	10 34	332.9	1.35	6.6... 6.6	1831.82	Σ 6	*Yel'sh*
11002	Hu 490	DM (17°) 4591	23 8	17 38	211.9	0.32	9.0...11.5	1901.63	Hu 4	(*Bul. L. O.* No. 21)
11003	Ho 160	DM (42°) 4107	23 26	42 33	171.3	1.92	8.3... 9.0	1886.87	Ho 2	
11004	See 448	Cord. G. C. 29468	23 29	−24 57	249.1	1.29	7.9...11.9	1897.68	See 2	
11005	H 1647	W^1 XXI^h. 536	23 30	21 39	179.4	30±	6 ...12	1828+	H	A and B
					134.8	31±	...14	1828+	H	A and C
11006	β 72	W^1 XXI^h. 511	23 43	− 5 55	45.2	1.82	9.0...11.2	1877.06	Δ 3	
11007	β 684	W^1 XXI^h. 517	23 53	− 5 57	133.9	1.11	9.0... 9.2	1878.62	β 1	
11008	H 1648	....	24 2	57 16	26.4	4±	12 ...12	1828+	H	
11009	H 1649	....	24 4	56 25	205.7	6±	10–11..10–11	1828+	H	
11010	Σ 2807	Redhill 3266	24 4	82 0	316.5	2.30	8.2... 8.3	1837.05	Σ 2	*White*
11011	OΣ 440	P XXI^h. 166	24 6	59 14	189.1	12.38	6.2...10.5	1848.10	OΣ 3	6.2 *golden*
11012	H 284	W^1 XXI^h. 534	21 24 24	14 29	320±	30±	9 ...11	1820+	H	"Small star blue"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11013	Σ 2800	DM (49°) 3533	21^h 24^m 31^s	49°21′	255°8	9″12	8.5...10.0	1832.28	Σ 3	
11014	β 685	2 *Pegasi*	24 31	23 7	334.1	29.82	5.5...12.5	1878.05	β 2	
11015	H 1651	DM (47°) 3424	24 32	47 38	328.0	9±	10 ...11	1828+	H	
11016	H 3030	....	24 34	−22 47	113.9	6±	11 ...13	1830+	H	
11017	β 448	L 41874	24 36	44 24	....	2±	7.0...11.0	1876	β	
11018	Hu 277	DM (6°) 4842	24 40	6 39	108.6	1.09	8.3...12.2	1900.62	Hu 3	(*A. J.* 494)
11019	See 449	L 41810	24 41	−19 46	197.0	1.82	6 ...12.8	1897.73	See 1	
11020	Espin 99	DM (44°) 3833	24 43	44 28	199.5	4.7	8.6...12.0	1901	Es	
11021	Espin 100	DM (44°) 3835	24 51	44 41	158.5	3.6	8.9... 9.3	1901	Es	(*A. N.* 3784)
11022	β 1142	DM (56°) 2579	25 7	56 39	353.9	0.41	8.7... 8.7	1889.59	β 3	
11023	H 3035	O. Arg. N. 22363	25 7	72 3	131.5	18±	9–10...10	1830+	H	A and B
					198.7	25±	...14	1830+	H	A and C
11024	H 1652	....	25 9	33 31	46.6	8±	10–11..11	1828+	H	
11025	Schj. 29	W^1 XXI^h. 545	25 11	−14 2	....	58±	9 ... 9.5	....	....	From *Schj.* (1485)
11026	β 73	β *Aquarii*	25 14	− 6 6	184.9	54.51	3 ...11.5	1879.57	β 3	A and C
					318.9	34.26	...10.9	1879.34	β 2	A and B
11027	A 767	A. G. Bonn 15591	25 18	47 1	178.5	1.07	9.0...12.0	1904.45	A 1	
11028	Hn 45	W^2 XXI^h. 591	25 21	34 32	17.8	1.28	8.5... 9.1	1881.49	β 3	
11029	H 3031	DM (1°) 4492	25 27	1 9	257.1	12±	9–10...11	1830+	H	
11030	H 1654	O. Arg. N. 22356	25 33	61 6	26.6	6±	9–10...10	1828+	H	
11031	H 1656	DM (64°) 1552	25 42	64 53	147.8	11±	10 ...12	1828+	H	A and B
					13.5	15±	...11	1828+	H	A and C
11032	Σ 2803	O. Arg. N. 22370	25 54	52 24	290.2	23.23	7.4... 9.0	1832.16	Σ 4	7.4 *very wh.*
11033	OΣ 441	L 41919	25 55	41 41	320.2	6.98	7.5...10.2	1847.10	OΣ 3	
11034	A 768	A. G. Bonn 15605	26 5	45 48	333.6	0.58	9.1... 9.7	1904.42	A 2	
11035	H 1653	....	26 12	36 20	202.5	12±	10–11..12	1828+	H	
11036	A 769	A. G. Bonn 15612	26 25	47 20	283.2	0.71	8.5... 9.0	1904.45	A 1	
11037	H 3033	Lam. 6020	26 28	6 16	246.2	25±	9 ...10	1830+	H	
11038	A 770	A. G. Bonn 15613	26 29	47 56	330.5	1.78	8.5...10.0	1904.45	A 1	
11039	H 3032	W^1 XXI^h. 586	26 31	4 21	102.9	10±	8 ...16	1830+	H	
11040	Ho 161	W^2 XXI^h. 621	26 37	39 32	358.4	2.80	7.0...11.0	1881.58	Ho 2	
11041	H 1655	DM (14°) 3622	26 39	14 19	22.4	12±	9–10...11	1828+	H	
11042	Σ 2802	DM (33°) 4285	26 45	33 17	11.3	3.84	8.0... 8.0	1830.48	Σ 3	*White*
11043	H 937	....	26 48	7 19	165±	7±	11 = 11	1820+	H	From H(V)
11044	Hu 593	DM (49°) 3540	26 54	49 36	59.4	1.70	8.8... 9.0	1902.54	Hu 3	(*Bul. L. O.* No. 27)
11045	Ho 603	L 41950	27 1	33 40	270.8	3.26	9 ...10.5	1896.41	Ho 3	B and C (*A. N.*
					251.9	80.55	7 ...	1896.41	Ho 3	A and B 3558)
11046	Σ 2806	β *Cephei*	27 6	70 2	250.0	13.57	3.0... 8.0	1832.26	Σ 7	*Greenish wh.: blue*
11047	H 3036	....	27 7	−15 16	90.0	2±	11 = 11	1830+	H	"Very neat"
11048	A. G. 272	DM (44°) 3852	27 8	44 37	181.8	4.08	9.0... 9.3	1900.79	Es 1	
11049	H 3038	....	27 9	59 22	109.0	15±	9–10...11–12	1830+	H	
11050	A 771	A. G. Bonn 15635	27 11	47 45	66.1	0.28	7.7... 8.0	1904.45	A 1	
11051	Σ 2804	*Pegasi* 29	27 26	20 11	314.4	2.93	7.3... 8.0	1828.75	Σ 2	*White*
11052	H 3037	SD (17°) 6308	27 28	−17 47	341.9	20±	10 ...14	1830+	H	8.7 m. in SD
11053	Ho 162	DM (39°) 4582	27 36	39 30	329.1	3.20	9.0... 9.5	1883.28	Ho 2	(*A. N.* 2779)
11054	Ho 288	L 41947	27 51	− 4 54	277.9	17.02	6.5...13	1887.74	Ho 1	
11055	Ho 604	DM (39°) 4586	27 52	39 16	314.5	4.84	9.0... 9.5	1895.63	Ho 2	(*A. N.* 3558)
11056	β 165	L 41954	27 55	− 3 59	176.6	4.77	8.7...10.8	1876.10	Δ 3	
11057	H 1657	....	28 :	47 54	10±	10±	....	1828+	H	"In a cluster"
11058	β 370	O. Arg. N. 22429	28 15	52 13	326.5	3.46	8.5... 9.0	1876.67	Δ 4	
11059	A 296	SD (8°) 5685	28 17	− 7 56	58.6	2.70	8.0...14.2	1901.54	A 3	
11060	β 273	W^1 XXI^h. 646	28 33	10 55	93.1	5.77	8.1...12.0	1875.84	Δ 4	
11061	Σ 3112	DM (8°) 4695	28 36	8 58	238.8	6.98	7.6... 9.4	1831.70	Σ 5	7.6 *yel.* (= OΣ 528)
11062	Innes 380	L 41984	28 51	−19 18	356.0	1.34	....	1900.84	I 1	(*M. N.* LXI, 609)
11063	Σ 2805 *rej.*	SD (12°) 6035	29 4	−12 19	....	Cl. IV	8 ...10	....	Σ	(See p. 1084)
11064	H 1658	....	21 29 10	55 35	147.0	8±	10 ...12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11065	H 1659	O. Arg. N. 22454	$21^h\ 29^m\ 18^s$	58° 8′	312°2	9″ ±	9–10...10	1828+	H	
11066	Lassell	DM (31°) 4498	29 35	31 32	134.2	21.51	9.6...10.7	1903.01	β 2	A and *a*
					210.6	19.86	10.2...11.7	1903.01	β 2	B and *b*
					199.8	12.75	10.2...11.9	1903.01	β 2	C and *c*
					83.3	82.44	....	1903.01	β 2	A and B
					127.0	106.44	....	1903.01	β 2	A and C
11067	H 5518	....	29 37	−10 55	170±	18±	11 = 11	1823+	H	
11068	β 74	L 42052	29 40	20 52	319.5	1.43	7.1... 9.0	1876.09	Δ 5	
11069	H 3039	*Schj.* 8747	29 49	0 9	159.9	12±	9 ... 9–10	1830+	H	
11070	H 1660	....	29 57	45 27	217.8	3±	12 ...13	1828+	H	"One of a cluster"
11071	Espin 33	DM (49°) 3555	29 58	49 57	95.0	4.54	8.8...10.7	1899.83	Es 2	(*A. N.* 3717)
11072	Hu 371	DM (23°) 4346	30 1	23 55	162.7	0.22	7.0... 7.5	1901.78	Hu 4	(*Bul. L. O.* No. 12)
11073	H 1665	DM (65°) 1599	30 1	65 35	72.6	18±	9–10..11	1828+	H	8.4 in DM
11074	♅ V. 28	DM (70°) 1179	30 4	70 5	....	30±	....	1781.37	♅	"Near β *Cephei*"
11075	Hu 771	DM (77°) 823	30 7	77 24	192.0	2.58	7.0...11.0	1904.48	Hu 1	
11076	β 166	O. Arg. N. 22487	30 17	59 48	259.3	1.16	7.4...10.2	1875.54	Δ 4	
11077	H 3040	*ε Capricorni*	30 22	−20 0	47.4	60±	5 ... 9	1830+	H	
11078	Hu 87	SD (12°) 6041	30 29	−11 57	232.6	3.97	9.0...14.0	1899.82	Hu 1	(*A. J.* 480)
11079	H 938	W^1 XXI^h. 692	30 30	7 21	165±	15±	9 ...16	1820+	H	
11080	H 5282	SD (17°) 6323	30 30	−16 55	80.3	17.99	9½...10	1836.64	H 1	
11081	H 939	W^2 XXI^h. 718	30 34	30 28	170±	6±	8 ...14	1820+	H	A and B
					340±	10±	12 ...16	1820+	H	C and D
11082	H 940	....	30 34	30 31	320.4	19.42	9.0... 9.3	1879.61	Cin 1	
11083	H 1661	DM (25°) 4575	30 34	25 50	89.0	7±	10 = 10	1828+	H	"Neat." 8.5 in DM (See p. 1084)
11084	OΣ 442	P XXI^h. 221	30 45	61 16	10.8	0.59	8.0... 8.2	1847.77	OΣ 3	
11085	Ho 163	W^2 XXI^h. 723	30 48	31 5	43.1	6.94	8.0...13	1886.79	Ho 2	
11086	H 1664	DM (32°) 4204	30 49	32 47	271.0	4±	10 ...10	1828+	H	
11087	H 5284	SD (16°) 5899	30 52	−16 50	268.9	51.02	8 ...10	1836.64	H 1	
11088	β 167	*Cygni* 363	31 0	29 31	89.2	2.08	7.0...11.4	1876.48	Δ 4	
11089	Σ 2810	O. Arg. N. 22522	31 4	58 34	290.2	16.94	7.5... 8.5	1831.28	Σ 2	
11090	H 1666	....	31 5	43 0	233.2	6±	11 ...11+	1828+	H	
11091	H 3044	DM (70°) 1184	31 12	71 2	78.9	10±	10 ...10+	1830+	H	"Neat"
11092	Hu 594	DM (51°) 3099	31 14	51 48	265.0	3.68	9.0...12.5	1902.52	Hu 2	(*Bul. L. O.* No. 27)
11093	H 1662	SD (8°) 5699	31 15	− 8 16	126.0	10±	10 ...12	1828+	H	
11094	H 1663	SD (8°) 5700	31 16	− 8 18	68.3	7±	10 ...13	1828+	H	A and B
					90±	15±	....	1828+	H	A and C
11095	Σ 2809	B. A. C. 7515	31 24	− 0 56	163.5	31.05	6.0... 8.4	1828.77	Σ 5	6.0 *wh.*
11096	Σ 2812	DM (59°) 2399	31 24	59 9	126.4	2.11	8.7... 9.2	1832.49	Σ 3	*Yel'sh*
11097	Ho 463	W^2 XXI^h. 755	31 30	42 21	150.8	0.25	8.5... 8.5	1893.79	Ho 1	
11098	A. G. 273	A. G. Lund 10230	31 30	39 39	4.9	8.31	9.5... 9.9	1902.62	β 2	
11099	H 3042	....	31 37	51 0	47.6	16±	9–10..11	1830+	H	
11100	OΣ 443	DM (6°) 4867	31 39	6 10	348.8	8.20	8.0... 8.3	1847.19	OΣ 3	*White*
11101	Innes 302	L 42108	31 41	−11 26	89.4	2.48	9 ...10	1900.84	I 1	
11102	Hn 46	DM (35°) 4585	31 39	35 52	200.4	1.18	9.5... 9.8	1881.54	β 3	
11103	Σ 56, App. I	3 *Pegasi*	31 45	6 5	349.4	39.14	6.0... 7.4	1834.91	Σ 6	*White*
11104	H 1667	....	31 55	12 40	198.3	12±	10 ...11	1828+	H	
11105	H 1668	DM (23°) 4355	31 56	23 8	34.2	7±	10 ...12	1828+	H	
11106	H 1669	DM (49°) 3562	31 56	49 58	239.8	12±	8 ...13	1828+	H	*White: red*
11107	Σ 57, App. I	*Cephei* 121, 123	31 58	66 12	26.1	179.09	6.5... 6.5	1836.59	Σ 6	*Yel'sh*
11108	Espin 101	....	32 :	45 37:	13.7	3.2	9.5...11.0	1901	Es	(*A. N.* 3784)
11109	H.C.Wilson23	....	32 :	67 0:	201.5	15.57	9.2...11.8	1893.37	W 2	
11110	Σ 2811 *rej.*	DM (−0°) 4244	32 8	− 0 52	268.0	29.14	8.9...11.0	1904.46	β 2	
11111	See 451	O. Arg. S. 21537	32 15	−30 51	256.7	11.94	8.1...13	1896.77	See 2	
11112	Σ 2813	O. Arg. N. 22553	32 21	56 56	272.8	10.14	8.5... 9.0	1832.15	Σ 2	*White*
11113	H 5285	Cord. DM (30°) 18754	32 23	−30 0	290.5	10±	9 ...10	1834.7	H	
11114	Hall	SD (16°) 5905	21 32 25	−15 59	124.2	2.14	8.5...13	1877.83	Hl 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11115	H 941	4 *Pegasi*	$21^h 32^m 31^s$	5°14′	360° ±	15″ ±	6–7...17	1820+	H	
11116	A 297	L 42145	32 31	− 8 56	79.4	2.61	8.8...13.9	1901.54	A 3	
11117	Hu 88	SD (13°) 5982	32 37	−12 54	224.9	1.32	9.2...12.0	1899.62	Hu 3	(*A. J.* 480)
11118	H 3043	O. Arg. S. 21543	32 49	−19 45	133.4	30±	8–9... 9	1830+	H	
11119	Hu 372	DM (22°) 4445	32 50	23 4	142.2	0.30	9.0... 9.0	1901.78	Hu 3	(*Bul. L. O.* No. 12)
11120	Espin 34	DM (49°) 3568	32 51	50 0	140.0	2.65	8.3... 9.0	1899.96	Es 2	A and B
					69.7	39.50	... 8.7	1899.96	Es 2	A and C
11121	β 371	O. Arg. N. 22566	32 58	58 10	4.0	8.39	8.2...10.7	1876.58	Δ 3	
11122	H 1670	....	33 0	29 26	88.0	6±	10–11=10–11	1828+	H	
11123	H 1671	DM (50°) 3380	33 0	50 18	328.4	9±	9–10...10	1828+	H	"Neat"
11124	A 402	A. G. Bonn 15772	33 13	41 20	41.8	0.71	8.5...11.5	1902.91	A 2	(*Bul. L. O.* No. 29)
11125	β 1212	24 *Aquarii*	33 20	− 0 36	254.5	0.45	6.5... 6.9	1890.75	β 3	A and B
					141.0	44.46	...10.9	1891.76	β 2	AB and C
11126	OΣ 444	L 42202	33 30	20 4	275.7	7.96	7.4...10.4	1850.98	OΣ 5	
11127	Cordoba	Cord. G. C. 29658	33 30	−18 58	62.9	4.91	8 ... 8.5	1897.75	See 1	
11128	Espin 102	DM (47°) 3505	33 36	47 57	35.5	11.6	8.1...10.0	1901	Es	(*A. N.* 3784)
11129	β 686	Rad^{I}. 5329	33 43	55 13	127.9	0.48	7.7... 8.0	1877.70	Δ 1	A and B
					11.0	41.22	... 8.3	1875.96	Δ 3	AB and C
11130	OΣ 445	W^2 XXI^h. 808	33 45	20 11	113.1	0.78	8.0... 8.5	1847.45	OΣ 3	
11131	Da 15	L 42240	33 46	42 45	72.2	1.30	7.2...10.1	1873.89	Δ 4	
11132	Kr 54	A. G. Hels. 12370	33 46	58 28	129.2	16.36	9.0... 9.1	1890.76	β 1	
11133	Σ 2814	DM (35°) 4599	33 56	35 50	162.5	7.82	8.3... 9.8	1831.10	Σ 3	8.3 *wh.*
11134	Δ 25	O. Arg. N. 22606	33 59	57 1	151.0	0.9±	8.2...10.0	1867.74	Δ 4	A and B AC = Σ 2815
					81.5	7.31	8.2...10.0	1832.43	Σ 4	AB and C
11135	H 1672	....	33 59	56 56	261.0	12±	10 ...11	1828+	H	
11136	See 452	O. Arg. S. 21558	34 6	−26 23	102.4	11.47	8.2...13.5	1896.84	See 2	
11137	A. G. 274	DM (22°) 4455	34 6	22 49	153.5	8.68	9.0... 9.5	1902.78	M 3	
11138	Hn 47	DM (49°) 3578	34 9	49 23	228.9	6.63	8.4...12.0	1881.49	β 3	
11139	OΣ 446	DM (3°) 4597	34 13	3 12	172.7	6.07	7.5...10.2	1849.46	OΣ 3	
11140	A 772	A. G. Camb. 12759	34 15	29 37	24.6	0.26	8.7... 9.0	1904.48	A 1	
11141	H 3047	....	34 25	8 16	50.4	5±	11 ...13	1830+	H	
11142	H 1673	DM (43°) 3995	34 29	43 48	265.2	3±	10–11..10–11	1828+	H	
11143	β 1331	DM (43°) 3996	34 34	43 39	352.7	0.84	8.8... 9.6	1903.41	β 4	
11144	H 3046	Cord. DM (28°) 17405	34 37	−28 45	77.3	10±	9–10...11–12	1830+	H	"Indistinct"
11145	β 449	Rad^{I}. 5335	34 42	41 11	19.1	6.78	7.1...12.7	1876.80	β 1	A and B AE = OΣ 447
					248.2	17.94	...12.1	1876.80	β 1	A and D
					169.4	13.96	...11.1	1848.30	OΣ 4	A and C
					45.3	29.00	... 7.9	1848.30	OΣ 4	A and E
11146	H 1674	....	34 42	49 7	330.2	9±	10 ...13	1828+	H	
11147	Espin 140	DM (56°) 2614	34 42	56 26	....	5.	8.5...13.1	1902	Es	(*M. N.* LXIII, 172)
11148	Da 14	L 42263	34 46	42 44	351.3	3.65	8.2...10.7	1891.78	β 2	
11149	H 1677	DM (58°) 2298	34 46	58 28	128.8	13±	9–10...10	1828+	H	8.9m. in DM
11150	H 1680	....	34 48	63 30	263.8	10±	10 ...12	1828+	H	A and B
					224.5	10±	...13	1828+	H	A and C
11151	β 687	Rad^{I}. 5340	34 53	55 15	8.4	0.89	8.0... 9.0	1878.65	β 1	
11152	Ho 464	L 42230	34 55	−15 23	102.1	17.14	7.0...11.3	1893.25	Ho 2	
11153	H 1675	W^2 XXI^h. 844	35 0	38 58	263.0	15±	9 ...15	1828+	H	
11154	H 942	....	35 3	− 3 13	115±	3±	11 ...12	1820+	H	
11155	H 3051	....	35 5	72 14	175.4	9±	10 = 10	1830+	H	
11156	See 453	O. Arg. S. 21571	35 7	−25 12	324.9	11.96	7 ...12.8	1897.75	See 1	
11157	H 1676	O. Arg. N. 22629	35 8	46 39	135.7	20±	8–9...10–11	1828+	H	
11158	See 454	41 *Capricorni*	35 10	−23 48	198.0	5.17	6 ...13.5	1897.82	See 1	
11159	H 5291	W^1 XXI^h. 813	35 12	−14 44	106.8	24.36	9.0... 9.7	1890.55	Gla 1	
11160	β 1143	P XXI^h. 248	21 35 14	56 57	323.5	1.55	6.0...13.7	1889.62	β 3	A and B ACD = Σ 2816 A *yel'sh:* CD *bluish wh.*
					120.1	11.66	... 7.9	1832.94	Σ 5	A and C
					339.7	19.96	... 8.0	1832.94	Σ 5	A and D

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11161	**H 5519**	....	$21^h\,35^m\,21^s$	− 8°49′	50° ±	12″ ±	11 ...11	1827.6	H	
11162	**H 3048**	....	35 27	−15 5	282.5	4 ±	12 = 12	1830+	H	"A third star 12 m. near"
11163	**H 1679**	....	35 28	43 49	85.8	3 ±	10 ...11	1828+	H	"Elegant"
11164	**A. Clark 20**	75 *Cygni*	35 28	42 44	322.3	2.71	5.2...10.5	1875.16	Δ 6	A and B
					254.6	54.44	... 9.4	1875.69	Δ 4	A and C
11165	**H 1681**	**O. Arg. N.** 22655	35 39	47 52	114.3	5 ±	10 ...11	1828+	H	"Duplex 9 m." in O. Arg.
11166	**A. G. 275**	**A. G. Leiden** 9070	35 40	35 50	14.0	10.87	9.5...10.0	1902.64	β 2	
11167	**H 3049**	**DM** (1°) 4526	35 40	1 12	3.2	20 ±	10 ...10+	1830+	H	
11168	**OΣ 448**	**L** 42293	35 42	28 48	247.7	0.70	7.7... 8.7	1845.64	OΣ 3	
11169	**Hu 278**	**DM** (5°) 4847	35 45	5 52	221.9	3.86	8.3...12.0	1900.64	Hu 2	(*A. J.* 494)
11170	**A 298**	**SD** (6°) 5801	35 46	− 6 28	141.5	2.75	8.8...12.8	1901.87	A 2	
11171	**β 372**	**DM** (50°) 3403	35 48	51 1	352.7	1.89	8.5...10.6	1876.93	Δ 4	
11172	**H 3050**	**DM** (6°) 4882	35 55	6 35	50.8	25 ±	9–10..10	1830+	H	
11173	**Ho 164**	**DM** (34°) 4492	35 58	34 32	61.8	3.04	8.0... 8.0	1882.19	Ho 4	A and B
					238.6	25.24	...12	1892.77	Ho 2	A and C
11174	**Hu 279**	**DM** (6°) 4884	36 18	6 42	357.8	2.55	9.0... 9.1	1900.74	Hu 2	(*A. J.* 494)
11175	**Σ 2817**	**DM** (−0°) 4251	36 19	− 0 6	156.3	25.94	8.2... 8.5	1828.75	Σ 3	*White*
11176	**Hu 280**	**DM** (5°) 4851	36 19	5 22	138.2	0.19	7.7... 8.1	1900.62	Hu 2	(*A. J.* 494)
11177	**Σ 2818** *rej.*	**DM** (18°) 4841	36 23	18 25	....	Cl. IV	8 ...10	....	Σ	
11178	**β 274**	**W^2 XXI^h.** 881	36 26	38 56	180.7	3.45	7.8...10.9	1875.93	Δ 7	
11179	**Ho 165**	**L** 42332	36 28	18 27	62.7	0.39	8.0... 8.2	1886.78	Ho 2	
11180	**See —**	**SD** (21°) 6076	36 32	−20 58	57.3	3.70	7.1...10.7	1897.80	See 1	(*A. N.* 3496)
11181	**Espin 35**	*R U Cygni*	36 38	53 47	223.6	11.10	Var...11.5	1899.82	Es 3	A and B (*A. N.* 3717)
					29.3	18.64	...10.2	1899.82	Es 3	A and C
11182	**Σ 2819**	**P XXI^h.** 256	36 38	57 2	57.2	12.38	7.5... 8.5	1832.43	Σ 4	*White*
11183	**A 180**	**L** 42312	36 40	− 2 58	38.5	0.65	8.7... 8.8	1900.87	A 3	
11184	**S 796**	76 *Cygni*	36 45	40 16	229.1	65.64	6 ...10	1824.82	S 2	
11185	**Hu 373**	**DM** (17°) 4626	36 46	17 17	317.0	0.91	8.5...12.0	1901.63	Hu 4	(*Bul. L. O.* No. 12)
11186	**Hn 167**	**SD** (14°) 6111	36 53	−14 43	288.4	1.86	10.4...10.8	1888.72	Com 3	
11187	**β 373**	....	37 1	48 47	171.0	4.12	10.1...12.0	1876.58	Δ 3	
11188	**Howe 57**	**O. Arg. S.** 21592	37 4	−27 4	301.7	1.75	8.0... 9.5	1877.72	Cin 2	
11189	**OΣ 449**	**L** 42446	37 4	74 41	123.0	1.26	7.8... 9.8	1848.10	OΣ 3	
11190	**Lv 10**	**W^1 XXI^h.** 861	37 6	−11 41	270.8	1.27	8.2... 9.5	1888.73	Lv 3	
11191	**Σ 2820** *rej.*	*Cygni* 376	37 14	41 53	232.7	16.11	8.1...10.5	1903.38	β 3	
11192	**H 1682**	....	37 19	13 5	73.8	10 ±	11 ...12	1828+	H	
11193	**H 1683**	**DM** (21°) 4605	37 23	21 20	174.3	5 ±	10 ...11	1828+	H	A and B
					307.9	15 ±	...11	1828+	H	A and C
11194	**H 1684**	....	37 23	49 55	319.8	8 ±	9–10..12	1828+	H	
11195	**A 403**	**A. G. Bonn** 15871	37 28	43 41	78.7	0.38	9.3... 9.5	1902.64	A 3	(*Bul. L. O.* No. 29)
11196	**Σ 2823**	**DM** (67°) 1340	37 31	67 35	250.9	1.60	8.5... 9.8	1832.33	Σ 3	8.5 *wh.*
11197	**H 3053**	**Lam.** 6118	37 38	6 28	194.0	25 ±	9 ...10	1830+	H	
11198	**H 3052**	....	37 39	1 57	300.8	9 ±	11 ...14	1830+	H	"Difficult"
11199	**OΣ (App) 222**	**L** 42351	37 43	6 36	257.8	87.48	6.8... 7.7	1874.76	Δ 3	
11200	**β 688**	**Rad^I.** 5364	37 43	40 30	208.7	0.35	7.6... 7.6	1878.36	β 5	
11201	**Hu 374**	**DM** (23°) 4379	37 57	23 20	38.5	0.33	9.0... 9.0	1901.78	Hu 4	(*Bul. L. O.* No. 12)
11202	**Espin 141**	**DM** (60°) 2281	38 0	60 40	186.6	1.9	9.5... 9.6	1902	Es 1	(*M. N.* LXIII, 172)
11203	**H 3055**	....	38 4	57 5	161.3	3 ±	11 ...12	1830+	H	"A 15 m. star in the same line"
11204	**A 299**	**A. G. Camb.** 12823	38 10	26 48	56.9	0.88	8.8...11.1	1901.89	A 4	A and B
					121.2	0.32	...13.0	1901.93	A 2	B and C
11205	**S 798**	*ε Pegasi*	38 17	9 20	322.7	90.93	....	1782.97	H̥ 1	A and B
					323.0	138.51	3 ...10–12	1825.18	S 2	A and C
11206	**See 456**	**O. Arg. S.** 21613	38 22	−20 40	57.2	3.74	8 ...12.7	1896.84	See 2	
11207	**Hd 167**	....	38 27:	− 6 44:	312.2	6.26	8.0...13.5	1901.45	A 1	A and B
					36.4	11.57	...12.0	1901.45	A 1	A and C
11208	**S 799**	79 *Cygni*	21 38 28	37 44	59.4	153.17	5 ... 7	1824.68	S 2	A and B
					320.1	150 ±	...12–15	1824.53	S 1	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11209	Hu 375	SD (16°) 5938	21^h 38^m 30^s	−16° 9′	169°.6	0″.42	9.0... 9.2	1900.98	Hu 2	(*Bul. L. O.* No. 12)
11210	Ho 166	W^2 XXI^h. 926	38 31	27 18	124.2	0.37	7.5... 7.5	1886.77	Ho 2	
11211	β 1263	L 42381	38 40	2 17	212.6	0.48	8.5...10.2	1891.60	β 3	
11212	H 1685	....	38 42	43 44	227.0	13±	11 ...11+	1828+	H	
11213	β 689	*Aquarii* 88	38 43	2 26	240.5	1.80	7.5...10.7	1878.37	β 3	
11214	Σ 2822	*μ Cygni*	38 46	28 12	114.5	5.56	4.0... 5.0	1831.63	Σ 4	A and B } AB *wh.: bluish wh.*
					263.2	35.34	...11.5	1878.91	β 3	A and C
					61.3	217.40	... 6.2	1823.69	Sh 3	A and D
11215	Σ 2821 *rej.*	SD (14°) 6116	38 47	−14 14	....	III–IV	8 ...10	....	Σ	8.7 m. in SD
11216	Ho 167	DM (44°) 3916	38 49	44 16	46.4	2.25	9 ...10	1883.82	Ho 2	
11217	β 374	O. Arg. N. 22750	38 59	50 27	143.4	1.86	8.4...10.3	1877.03	Δ 5	
11218	Ho 605	....	39 1	34 20	338.2	1.17	9.2... 9.9	1894.29	Ho 2	(*A. N.* 3558)
11219	H 3054	Cord. DM (27°) 15611	39 4	−27 15	185.5	20±	9 ... 9+	1830+	H	
11220	H 285	....	39 4:	10 7	60±	2–3	11 ...12	1820+	H	
11221	β 1305	DM (10°) 4622	39 9	10 14	48.2	0.97	9.9...10.5	1901.64	β 2	B and C }
					91.2	88.66	8.8...	1901.57	β 2	A and BC
11222	β 989	*κ Pegasi*	39 13	25 6	137.9	0.2±	4.8... 5.3	1880.68	β 4	A and B } AC= Σ 2824 3.9 *yel'sh*
					308.5	11.01	3.9...10.8	1831.56	Σ 5	AB and C
11223	H 1686	DM (31°) 4538	39 14	31 7	226.0	7±	10 ...11	1828+	H	
11224	Hu 693	DM (49°) 3605	39 35	50 1	230.4	1.06	8.7... 9.2	1904.35	Hu 2	(*Bul. L. O.* No. 57)
11225	H 3154	....	39 42:	89 43:	333.0	15±	9–10...12	1830+	H	
11226	H 5520	....	39 44	− 4 5	112±	15±	11 ...12	1823+	H	
11227	β 690	*μ Cephei*	39 50	58 14	259.4	19.16	5.0...12.3	1878.87	β 3	A and B }
					299.4	41.19	...12.7	1878.42	β 1	A and C
11228	See 458	O. Arg. S. 21625	39 50	−27 9	92.6	0.41	8 ... 8.4	1897.63	See 1	
11229	H 1687	....	39 52	45 38	238.5	2±	10–11..11	1828+	H	
11230	H 3058	....	39 54	53 10	274.5	8±	12 ...13	1830+	H	"In cluster VII, 40"
11231	H 5521	....	39 55	− 4 6	293.	20±	10 ...11	1823+	H	
11232	Ho 606	W^2 XXI^h. 956	39 55	26 49	89.6	16.24	8 ...12.3	1895.83	Ho 3	(*A. N.* 3558)
11233	A. G. 276	A. G. Berlin 8379	39 58	21 23	357.2	2.05	8.8... 9.2	1901.70	Hu 3	
11234	Lewis 36	....	40 :	25 0:	295.3	4.36	9.5...10.0	1900.69	L 1	(*M. N.* LXI, 486)
11235	OΣ (App) 224	DM (15°) 4491, 4492	40 3	15 12	7.0	58.42	7.7... 8.5	1875.42	Δ 3	
11236	β 691	DM (17°) 4529	40 4	17 12	328.3	1.16	9.0...11.5	1877.76	β 1	
11237	H 3057	....	40 12	5 2	13.2	12±	10 ...11	1830+	H	
11238	Arg. 43	O. Arg. N. 22792	40 21	48 58	....	Cl. III	8–9...	....	....	
11239	H 3056	*δ Capricorni*	40 24	−16 40	299.9	60±	3½...16	1830+	H	
11240	A. G. 277	A. G. Berlin 8383	40 30	20 38	54.3	2.50	9.0... 9.0	1901.68	Hu 3	
11241	OΣ 450 *rej.*	L 42440	40 32	5 59	247.1	41.85	7.2...10.0	1866.73	Δ 3	
11242	Hu 376	DM (19°) 4780	40 32	19 28	17.7	1.47	8.5...12.0	1901.64	Hu 3	(*Bul. L. O.* No. 12)
11243	H 1688	....	40 39	30 42	5.6	12±	10 ...10–11	1828+	H	
11244	Ho 168	DM (43°) 4037	40 41	43 23	249.2	1.02	8.2... 8.2	1885.81	Ho 2	
11245	Σ 2827	O. Arg. N. 22826	40 46	63 3	210.6	4.27	8.5... 9.0	1832.41	Σ 3	*White*
11246	Σ 2825	DM (0°) 4779	40 46	0 18	100.2	1.09	8.0... 8.2	1827.72	Σ 3	*Yel'sh*
11247	Hu 377	SD (21°) 6093	40 49	−21 19	138.6	0.54	9.5... 9.8	1901.31	Hu 3	A and B } (*Bul. L. O.* No. 12)
					341.8	4.69	...11.8	1901.13	Hu 2	AB and C
11248	Ho 465	L 42466	40 52	21 37	245.8	42.22	7.2... 9.2	1893.43	Ho 3	A and B } (*A. N.* 3234)
					80.0	3.60	...11.0	1893.43	Ho 3	B and C
11249	Howe 58	W^1 XXI^h. 950	40 57	−13 42	104.7	0.64	8.0... 9.1	1890.64	β 3	A and B } AC = Σ 2826
					82.5	4.26	8.0... 8.5	1829.44	Σ 4	AB and C
11250	A 181	SD (3°) 5300	40 57	− 3 19	109.2	1.17	9.7... 9.8	1900.76	A 3	
11251	β 1036	Yar. 9529	40 59	−17 51	205.9	4.53	8.0...11.0	1888.74	β 3	
11252	H 1689	W^2 XXI^h. 999	41 23	44 33	46.1	3±	10 ...13	1828+	H	
11253	♅ N. 130	....	41 24:	−14 54:	....	Cl. I	....	1801.69	♅	
11254	O. Stone 55	O. Arg. S. 21650	41 25	−27 42	178.4	3.53	7.5... 8.5	1879.68	Cin 1	
11255	Ho 608	DM (26°) 4267	41 25	26 45	119.9	0.39	8.2... 9.7	1895.83	Ho 2	
11256	Barnard 15	SD (2°) 5637	21 41 29	− 2 16	78.8	0.36	9.0... 9.5	1900.53	A 3	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11257	H 943	....	$21^h 41^m 50^s$	26°14′	330° ±	4″ ±	10 = 10	1820+	H	
11258	H 1692	....	41 59	46 39	260.8	12 ±	10 ...11	1828+	H	
11259	A 300	A. G. Camb. 12896	42 6	28 1	252.0	1.81	8.4...11.0	1901.86	A 3	A and B
					5.6	5.56	...15.5	1901.89	A 1	A and C
					177.7	8.98	...16.0	1901.89	A 1	A and D
11260	H 1691	L 42489	42 15	− 6 48	275.5	10 ±	9 ...13	1828+	H	
11261	Ho 466	DM (34°) 4525	42 15	34 20	138.9	1.39	8.7... 9.2	1893.29	Ho 2	
11262	H 1694	DM (57°) 2395	42 23	57 14	15.7	15 ±	9–10..10	1828+	H	
11263	Hu 378	DM (20°) 5016	42 28	20 26	345.9	0.61	9.0... 9.8	1901.68	Hu 3	(*Bul. L. O.* No. 12)
11264	A 404	A. G. Bonn 15969	42 28	41 15	95.7	4.09	8.6...13.5	1902.63	A 2	
11265	A 405	A. G. Bonn 15971	42 35	42 23	274.8	1.70	9.0...13.2	1902.64	A 3	(*Bul. L. O.* No. 29)
11266	H 1693	....	42 42	14 6	310.3	6 ±	11 ...11–12	1828+	H	
11267	Σ 2837	Redhill 3323	42 49:	82 23	321.3	2.16	8.5... 9.0	1832.30	Σ 3	*White*
11268	Cordoba	Cord. 21^h. 1337	42 53	−26 12	306.9	2.33	8.8... 9.8	1896.82	See 4	
11269	Hu 281	DM (4°) 4749	42 53	4 49	327.4	1.58	9.0... 9.6	1900.64	Hu 2	(*A. J.* 494)
11270	H 1696	DM (65°) 1645	43 11	65 15	140.2	10 ±	10 ...13	1828+	H	"The chief star in a cluster"
11271	H 1695	....	43 21	30 41	113.8	7 ±	9 ...11	1828+	H	
11272	Σ 2828	DM (2°) 4424	43 26	2 50	142.5	23.79	8.0... 9.0	1829.09	Σ 3	A and B } *White*
					37.0	3.64	... 9.2	1829.09	Σ 3	B and C
11273	H 3060	DM (8°) 4744	43 41	8 46	198.0	16 ±	9–10..10	1830+	H	
11274	H 3059	Lac. 8937	43 48	−28 30	257.9	15 ±	7 ...11	1830+	H	
11275	β 1306	DM (22°) 4484	43 58	23 1	295.0	31.31	8.0...12.3	1901.42	β 3	A and B
					343.1	1.22	12.2...12.6	1901.55	β 3	C and D
					275.9	32.92	....	1901.42	β 3	A and CD
11276	Σ 2829	DM (30°) 4537	44 7	30 12	15.6	17.05	8.2... 8.9	1831.90	Σ 4	*White*
11277	See 460	O. Arg. S. 21684	44 15	−20 45	113.4	0.45	7.6... 8.1	1897.74	See 1	
11278	A 301	SD (8°) 5749	44 17	− 8 21	116.9	0.70	9.0... 9.3	1901.79	A 3	
11279	Hn 48	O. Arg. N. 22899	44 18	51 3	22.9	4.44	8.6... 8.9	1881.47	β 3	
11280	H 286	DM (11°) 4669	44 31	11 44	255 ±	12 ±	9 ...11	1820+	H	
11281	Ho 169	W^2 XXI^h. 1067	44 31	35 33	134.8	3.20	8.0...12	1882.68	Ho 2	
11282	H 944	....	44 33	8 5	5 ±	5 ±	11 ...15	1820+	H	H(V)7°4:15″:10...14
11283	β 692	L 42601	44 49	31 17	10.8	2.48	7.5...11.0	1878.24	β 2	A and B
					119.4	36.89	...11.0	1878.78	β 1	A and C
11284	H 287	....	44 49:	15 26:	220 ±	10 ±	13 ...14	1820+	H	
11285	Σ 2832	O. Arg. N. 22912	44 51	49 57	213.5	13.07	7.8... 8.3	1832.41	Σ 3	*Very wh.*
11286	H 1698	DM (46°) 3455	44 55	46 43	336.0	6 ±	10 ...12	1828+	H	
11287	H 1697	W^2 XXI^h. 1081	44 57	34 16	263.0	8 ±	8 ...12	1828+	H	
11288	Hu 89	SD (12°) 6113	45 2	−12 13	8.6	0.61	9.1... 9.3	1899.64	Hu 3	(*A. J.* 480)
11289	Ho 467	W^2 XXI^h. 1078	45 3	21 42	181.5	1.03	8.0...10.2	1893.28	Ho 2	A and B } (*A. N.* 3234)
					338.9	39.57	...12	1893.25	Ho 2	A and C
11290	Σ 2830 *rej.*	DM (2°) 4433	45 6	2 33	....	Cl. IV	7–8...10	....	Σ	
11291	H 945	....	45 6	− 4 31	315 ±	3½ ±	11 ...11+	1820+	H	"In the same field"
11292	H 946	....	45 9	− 4 31	235 ±	7 ±	11 ...12	1820+	H	
11293	H 1699	DM (34°) 4544	45 10	34 17	70.0	10 ±	10 ...11	1828+	H	Double in A. G.
11294	H 3061	....	45 14	5 12	103.7	12 ±	10 ...10	1830+	H	
11295	H 3062	O. Arg. N. 22920	45 18	53 16	....	....	....	1830+	H	
11296	Σ 2831	W^1 XXI^h. 1045	45 21	7 47	356.3	14.97	8.1...11.1	1829.04	Σ 4	*Yel'sh*
11297	Ho 170	DM (38°) 4618	45 29	38 52	162.4	0.3 ±	8.0... 8.0	1886.79	Ho 2	
11298	H 3063	DM (57°) 2406	45 36	57 57	57.1	10 ±	9–10..10	1830+	H	
11299	Σ 2835	DM (68°) 1252	45 44	68 46	276.4	1.88	8.5... 9.3	1832.33	Σ 3	8.5 *wh.*
11300	A 182	SD (2°) 5648	45 44	− 2 43	245.5	1.05	9.3... 9.5	1900.76	A 3	
11301	H 947	P XXI^h. 312	45 57	19 16	93 ±	15 ±	7 ...15	1820+	H	A and B
					315 ±	20 ±	...17	1820+	H	A and C
11302	Σ 2833	DM (8°) 4753	46 2	8 31	341.5	8.83	7.2...10.0	1829.56	Σ 4	7.2 *yel'sh*
11303	Σ 2834	DM (18°) 4874	46 2	18 45	288.8	4.13	7.3...10.6	1830.79	Σ 5	7.3 *yel.*
11304	H 1700	....	21 46 4	43 45	195.8	3 ±	11 ...13	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11305	H 5298	O. Arg. S 21706	21^h 46^m 4^s	−16°22′	....	Cl. IV	8 ... 9	1834+	H	
11306	Σ 2836	*Cephei* 146	46 21	66 14	152°9	11″92	7.0...10.0	1832.46	Σ 2	7.0 *yel'sh wh.*
11307	Hn 49	DM (28°) 4212	46 22	28 22	344.8	2.23	8.5...10.5	1881.53	β 4	
11308	Hu 694	DM (49°) 3641	46 41	49 50	192.7	1.68	9.0...10.0	1904.34	Hu 2	(*Bul. L. O.* No. 57)
11309	β 840	SD (2°) 5650	46 43	− 2 9	39.4	2.57	8.7...10.0	1881.73	β 3	
11310	H 948	....	46 45	8 52	310±	5±	11 ...12	1820+	H	H (V) 306°1 : 15″ : 10...11
11311	Ho 171	L 42657	46 45	27 14	179.0	0.63	8.2... 8.2	1884.86	Ho 2	
11312	H 1701	....	46 56	46 32	187.3	10±	10–11..11	1828+	H	
11313	Hu 379	DM (4°) 4759	47 1	4 45	253.5	1.37	9.0...10.5	1901.11	Hu 2	(*Bul. L. O.* No. 12)
11314	Kr 55	A. G. Hels. 12567	47 1	55 48	355.8	4.79	9.0 .. 9.1	1890.78	β 1	
11315	Ho 172	W^2 XXI^h. 1124	47 5	41 48	87.9	10.50	7.0...12	1886.85	Ho 2	
11316	H 615	L 42645	47 6	−17 19	68.0	11.94	8½...10	1846.88	J 1	
11317	Hu 380	L 42642	47 7	−20 35	75.5	5.50	8.2... 9.5	1876.74	Cin 2	A and BC } AB = β 168
					56.2	0.39	9.5... 9.5	1901.31	Hu 3	B and C }
11318	Hn 50	O. Arg. N. 22967	47 14	53 44	171.5	1.47	8.7...10.4	1881.50	β 4	
11319	H 3064	....	47 23	4 39	147.0	4±	11–12=11–12	1830+	H	
11320	OΣ 451	P XXI^h. 328	47 27	61 3	222.9	4.53	7.2... 8.2	1847.51	OΣ 3	
11321	....	DM (53°) 2723	47 47	53 27	66.5	15.60	9.5...11.5	1904.47	β 1	
11322	Σ 2842	DM (63°) 1779	47 55	63 28	102.2	3.17	8.4...11.0	1832.17	Σ 4	8.4 *wh.*
11323	Σ 2840	*Cephei* 147	47 57	55 14	194.0	20.01	6.0... 7.0	1832.96	Σ 4	*Greenish wh.: bluish wh.*
11324	H 5522	....	48 ±	−15 4:	85±	20±	12 ...12½	1823+	H	
11325	H 288	....	48 13:	15 19:	50±	5±	11 ...12	1820+	H	
11326	H 3066	....	48 17	53 25	199.8	....	....	1830+	H	A and B
11327	Σ 2838	*Aquarii* 100	48 21	− 3 52	185.2	21.65	6.0... 8.8	1829.47	Σ 3	6.0 *yel'sh*
11328	H 3067	Rad^{I}. 5449	48 23	71 12	334±	4±	8 ...17	1830+	H	"A strong suspicion of a small star"
11329	β 1213	DM (12°) 4710	48 26	13 0	311.9	0.81	9.1... 9.5	1890.69	β 3	B and C }
					258.8	62.29	8.0...	1890.69	β 3	A and B }
11330	H 616	W^1 XXI^h. 1106	48 34	−12 32	273.	20±	7–8... 9	1820+	H	
11331	Kr 56	A. G. Hels. 12593	48 36	61 33	302.1	4.49	9.0... 9.3	1890.79	β 1	
11332	Espin 142	DM (61°) 2361	48 36	61 30	332.9	7.9	8.8...11.2	1902	Es 2	(*M. N.* LXIII, 172)
11333	Espin 143	DM (61°) 2363	48 48	61 30	44.9	6.5	8.2...13.5	1902	Es 2	(*M. N.* LXIII, 172)
11334	Σ 2843	DM (65°) 1664	48 37	65 11	133.5	2.36	7.0... 7.2	1831.91	Σ 3	*Yel'sh*
11335	Σ 2841	L 42709	48 39	19 9	111.0	22.21	6.5... 8.0	1829.46	Σ 3	*Very yel.: blue*
11336	Σ 2844 *rej.*	Rad^{I}. 5448	48 40	64 20	....	Cl. IV	8 ...10	....	Σ	
11337	H 949	....	48 49	−10 46	300±	5±	11 ...12	1820+	H	
11338	H 3065	L 42700	48 55	−21 42	138.5	18±	7 ...15	1830+	H	"A third 12m. dist. 40″"
11339	Σ 2845	DM (62°) 1992	48 59	62 32	169.0	2.16	8.2... 8.3	1832.49	Σ 3	*Yel'sh: wh.*
11340	H N. 131	....	49 ±	−15 6±	....	Cl. III	....	1801.69	H	
11341	β 768	Lac. 8964	49 9	−37 49	90±	obl?	5.8...	1879	β	
11342	H 1703	DM (39°) 4703	49 13	39 19	90 0	5±	10 ...12	1828+	H	8.9 m. in DM (See p. 1084)
11343	β 841	DM (53°) 2728	49 21	53 43	194.4	2.03	8.5...11.5	1881.56	β 3	
11344	See 461	O. Arg. S. 21742	49 26	−27 51	62.7	3.44	8.2...13.3	1896.83	See 2	
11345	Ho 173	DM (18°) 4888	49 36	18 8	72.6	1.06	8.0...10.0	1881.70	Ho 2	
11346	β 75	L 42736	49 40	10 19	34.3	1.20	8.1... 8.5	1875.45	Δ 4	
11347	OΣ 452	L 42731	49 42	6 41	179.1	1.19	7.7... 8.8	1847.46	OΣ 3	
11348	A 620	A. G. Bonn 16100	49 44	43 29	247.3	0.20	8.0... 8.1	1903.68	A 3	(*Bul. L. O.* No. 50)
11349	A 302	A. G. Camb. 12995	49 54	26 14	204.4	5.16	8.9...14.5	1901.73	A 3	
11350	β 693	L 42730	49 54	− 7 33	54.1	0.93	7.8...10.3	1878.37	β 3	
11351	Ku 62	DM (38°) 4636	49 58	38 9	49.7	1.91	9.1...10.2	1901.41	Ku 2	Kustner (3821)
11352	A 303	A. G. Camb. 12999	50 4	26 50	51.4	1.84	8.8...12.3	1901.52	A 3	
11353	Ho 609	....	50 4	29 9	356.4	1.84	9.5... 9.8	1893.28	Ho 2	(*A. N.* 3558)
11354	Σ 2846	L 42776	50 7	45 13	269.3	3.25	8.5...10.3	1833.90	Σ 6	A and B } 8.5 *yel.*
					156.8	25±	...10	1828+	H	A and C }
11355	Battermann	DM (14°) 4697	50 7	15 2	340±	1.5±	9.2... 9.3	1893.80	....	
11356	A 621	A. G. Leip. 11019	50 18	9 1	87.8	0.23	9.3... 9.5	1903.82	A 3	(*Bul. L. O.* No. 50)
11357	S 800	DM (61°) 2216	21 50 21	62 3	145.3	62.83	6½... 7	1824.70	S 2	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11358	**A. G. 278**	A. G. Leiden 9206	21^{h} 50^{m} 24^{s}	32° 28′	159°.0	3″.24	9.5... 9.5	1902.66	β 2	
11359	**H 3072**	DM (58°) 2349	50 25	58 53	82.4	15±	9 ...11	1830+	H	
11360	**H 1704**	....	50 27	27 20	318.6	1½±	13 ...14	1828+	H	
11361	**OΣ (App) 226**	O. Arg. N. 23072	50 29	67 32	245.8	75.95	7.0... 8.0	1876.30	Δ 3	
11362	**OΣ 453**	DM (6°) 4929	50 31	6 40	270.9	0.70	7.5... 8.0	1847.46	OΣ 3	A and B
					78.8	24.98	...12	1878.80	β 1	AB and C
11363	**Hu 381**	DM (5°) 4903	50 32	5 59	41.7	0.54	9.4... 9.5	1901.27	Hu 3	(*Bul. L. O.* No. 12)
11364	**OΣ 454**	L 42771	50 34	23 46	277.4	6.90	7.0... 9.0	1850.04	OΣ 4	
11365	**Ho 174**	DM (36°) 4710	50 41	36 43	154.7	7.32	9.0... 9.0	1881.79	Ho 2	A and B
					88.6	6.29	10 ...10	1881.79	Ho 3	C and D
					227.4	161.42	....	1881.78	Ho 1	A and C
11366	**Σ 2858**	DM (86°) 325	50 42	86 19	164.3	15.03	8.5... 8.7	1832.26	Σ 3	*White*
11367	**See 463**	SD (19°) 6197	50 49	−19 13	116.0	15.88	7.2...11.5	1897.75	See 1	
11368	**H 3068**	Cord. DM (28°) 17523	50 49	−28 31	287.0	6±	9 ...10	1830+	H	
11369	**β 169**	O. Arg. S. 21760	50 49	−21 43	285.7	1.93	9.0... 9.0	1876.78	Cin 1	
11370	**H 1705**	....	50 50	46 29	80.4	3½±	11–12..14	1828+	H	"Difficult"
11371	**Hu 382**	DM (18°) 4892	50 52	19 6	171.7	0.40	9.2... 9.6	1901.65	Hu 3	(*Bul. L. O.* No. 12)
11372	**OΣ 455**	DM (15°) 4528	50 56	15 33	268.5	9.99	7.5... 9.0	1847.37	OΣ 3	
11373	**H 3070**	SD (19°) 6194	51 7	−19 2	95.0	15±	10 ...10	1830+	H	
11374	**H 1706**	....	51 9	28 26	293.2	4±	10–11..12	1828+	H	
11375	**H 1707**	....	51 10	31 22	320.0	3±	10 ...11	1828+	H	
11376	**OΣ 456**	L 42838	51 11	51 58	25.7	1.35	7.8... 8.0	1847.73	OΣ 3	
11377	**H 3071**	L 42770	51 16	−15 42	318.5	18±	8 ...11	1830+	H	
11378	**H 5523**	....	51 16	7 50	25±	15±	11 = 11	1827.6	H	
11379	**A 622**	A. G. Leip. 8740	51 17	10 13	150.0	0.27	8.8... 8.9	1903.82	A 3	(*Bul. L. O.* No. 50)
11380	**β 1214**	DM (33°) 4387	51 23	33 45	205.0	1.39	9.0...10.3	1890.65	β 3	A and B
					245.8	5.06	9.8...10.8	1890.65	β 3	C and D
					18.3	112.43	....	1890.65	β 3	A and C
11381	**H 1708**	....	51 26	23 2	240.3	3±	10 ...12	1828+	H	
11382	**OΣ (App) 225**	L 42794	51 27	3 35	286.9	75.11	7.0... 8.0	1875.46	Δ 3	
11383	**H 3073**	DM (4°) 4772	51 36	4 27	9.6	15±	9–10..12	1830+	H	
11384	**OΣ (App) 227**	L 42817	51 46	11 22	32.8	78.90	7.3... 8.2	1875.70	Δ 3	
11385	**Σ 2847**	L 42810	51 53	− 4 4	296.5	1.21	7.6... 8.0	1831.95	Σ 5	*Yel'sh*
11386	**Lewis 37**	....	52 :	20 18:	92.3	3.60	10.0...11.0	1896.83	L 1	
11387	**Σ 2848**	L 42825	52 1	5 22	54.9	10.45	7.2... 7.5	1829.41	Σ 3	*Wh.: yel'sh or red*
11388	**Σ 2849**	DM (19°) 4834	52 4	19 40	272.4	1.09	8.2...10.7	1830.42	Σ 3	
11389	**H 3074**	Lam. 8625	52 6	− 2 24	291.7	1½±	9 ... 9+	1830+	H	
11390	**OΣ 537**	O. Arg. N. 23107	52 10	59 16	199.2	1.99	8.0...11.1	1876.69	Δ 4	
11391	**OΣ 457**	Rad^{I}. 5481	52 22	64 45	243.4	1.31	6.3... 8.5	1848.49	OΣ 3	6.3 *wh.*
11392	**H 3075**	....	52 25	−11 49	306.5	3±	11 ...12	1830+	H	This is a dist. comp. to H 3076
11393	**A. G. 279**	DM (5°) 4918	52 29	5 43	72.8	10.32	9.6... 9.6	1895.73	....	
11394	**H 3076**	SD (11°) 5724	52 34	−11 51	245.4	35±	9 ...13	1830+	H	8.2 m. in SD
11395	**H 5311**	O. Arg. S. 21778	52 36	−29 38	298.2	30±	8 ...11	1834.6	H	"Very nearly an equilateral triangle"
					....	30±	...11	1834.6	H	
11396	**Sh 336**	W^{I} XXI^{h}. 1205	52 36	5 27	226.0	105.86	8 ...11	1823.87	S 1	
11397	**OΣ 458**	Rad^{I}. 5483	52 40	59 13	348.8	0.71	7.1... 8.6	1851.75	OΣ 7	A and B
					32.9	22.71	...12.5	1878.65	β 1	AB and C
11398	**O. Stone 56**	11 *Piscis Australis*	52 42	−28 12	35.6	11.75	7.0...10.0	1879.76	Cin 3	
11399	**H 3077**	....	52 45	8 56	344.4	18±	10 ...10–11	1830+	H	
11400	**Cordoba**	Cord. G. C. 30078	52 47	−30 33	258.7	3.09	9½... 9¼	1901.84	I 2	
11401	**H 3078**	DM (0°) 4802	52 59	0 42	195.0	3±	10 ...10–11	1830+	H	
11402	**H 950**	....	52 59	27 6	10±	10±	8 ...10	1820+	H	
11403	**H.C. Wilson 24**	....	53 :	−23 0:	45.2	21.55	8.0... 8.5	1883.67	W 1	From Wilson (Cin^{10})
11404	**Hu 772**	DM (48°) 3558	53 4	49 3	319.7	0.22	8.5... 9.0	1904.50	Hu 1	
11405	**A 304**	A. G. Camb. 13059	21 53 4	26 50	109.6	0.30	8.7... 9.2	1901.62	A 4	A and B
					240.9	13.84	...13.2	1901.58	A 3	AB and C

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11406	H 3079	DM (5°) 4918	21^h 53^m 29^s	5°43′	74°6	10′±	10 ...10	1830+	H	
11407	Espin 145	DM (62°) 2008	53 30	62 7	203.0	2.8	9.1... 9.5	1902	Es 5	(*M. N.* LXIII, 172)
11408	A 305	SD (3°) 5353	53 33	− 3 34	221.7	2.50	8.7...11.0	1901.95	A 3	
11409	β 275	Rad^1. 5490	53 38	60 43	2.7	0.28	7.0... 7.0	1876.04	Δ 2	
11410	β 276	*η Piscis Australis*	53 56	−29 2	117.4	1.87	5.0... 6.0	1876.68	Cin 4	
11411	H 1709	DM (55°) 2657	53 59	56 1	312.9	6±	9–10...13	1828+	H	
11412	H.C. Wilson 25	....	54 :	1 20:	212.1	1.20	8.0... 9.0	1882.76	W 1	
11413	Hn 168	....	54 :	−15 20	340.5	3.03	11.0...11.8	1883.74	Com 4	
11414	H 3081	DM (72°) 1004	54 5	72 33	318.4	20±	9–10...10	1830+	H	
11415	Hu 282	SD (14°) 6188	54 11	−14 21	31.6	0.74	7.5... 8.8	1900.69	Hu 2	(*A. J.* 494)
11416	Σ 2850	DM (23°) 4442	54 17	23 22	263.3	2.83	7.2...11.2	1830.06	Σ 3	7.2 *reddish gold*
11417	H 3082	....	54 17	71 45	71.5	13±	11 ...12	1830+	H	
11418	A 406	A. G. Bonn 16201	54 18	41 23	293.1	1.50	11.0...13.0	1902.61	A 2	B and C (*Bul. L. O.* No. 29)
					3.2	34.18	8.0...	1902.61	A 2	A and B
					115.4	22.53	...14.0	1902.64	A 1	A and D
11419	Hu 773	DM (51°) 3208	54 22	51 52	322.7	4.69	9.0...10.8	1904.50	Hu 1	
11420	H 1711	....	54 29	66 33	250.1	12±	9–10...11	1828+	H	Probably DM (66°) 1463
11421	Ho 468	L 42899	54 44	−18 6	344.3	3.19	7.0... 9.5	1891.80	Ho 2	
11422	Howe 59	L 42909	55 0	−16 11	270.3	9.09	7.0...10.5	1877.76	Cin 1	A and B
					290±	80±	... 9	1823+	H	A and C
11423	H 1710	DM (49°) 3707	55 3	50 1	281.6	12±	10 ...11	1828+	H	
11424	Hu 774	DM (48°) 3566	55 7	48 33	151.2	0.20	7.5... 7.5	1904.50	Hu 1	
11425	H 1713	....	55 11	64 0	126.0	18±	9–10...11	1828+	H	
11426	Hu 775	DM (51°) 3213	55 12	51 49	219.7	2.17	8.8...10.5	1904.50	Hu 1	
11427	Σ 2851	W^1 XXI^h. 1253	55 13	−12 34	120.8	19.10	8.0... 8.3	1829.83	Σ 3	
11428	H 289	20 *Pegasi*	55 14	12 33	320±	40±	5–6...12	1820+	H	
11429	H 1712	....	55 21	48 8	171.5	6±	10–11=10–11	1828+	H	"Elegant"
11430	A 778	A. G. Bonn 16232	55 35	47 21	281.6	0.33	9.0... 9.7	1904.44	A 1	A and B
					230.7	6.68	...15.0	1904.44	A 1	AB and C
11431	H 3080	DM (1°) 4572	55 38	1 59	291.3	15±	10 ...13	1830+	H	
11432	A 306	A. G. Camb. 13104	55 43	26 15	305.0	1.11	7.5...13.8	1901.65	A 3	
11433	OΣ (App) 228	L 42946	55 51	4 12	28.0	73.52	7.3... 9.0	1875.69	Δ 3	
11434	S 802	29 *Aquarii*	55 52	−17 33	243.4	4.37	8 ... 8½	1824.68	S 2	
11435	A 779	A. G. Hels. 12725	56 2	59 58	281.1	0.46	7.9... 8.5	1904.48	A 1	
11436	Ho 175	L 42979	56 3	43 4	302.9	0.98	7.0...10	1885.81	Ho 2	
11437	H 951	DM (32°) 4319	56 6	32 8	110±	10±	9 ...10	1820+	H	
11438	See 464	....	56 13	−16 51	139.7	11.92	8 ...14.5	1896.84	Cog 2	
11439	Hu 283	SD (17°) 6423	56 13	−17 1	316.1	1.19	9.2...11.0	1900.68	Hu 2	(*A. J.* 494)
11440	Ho 176	W^2 XXI^h. 1369	56 15	22 59	188.1	0.91	8.0...11.5	1881.68	Ho 2	
11441	Σ 2852	DM (53°) 2764	56 17	53 36	171.9	7.73	9.0... 9.0	1832.42	Σ 3	*White*
11442	H 1714	DM (45°) 3763, 3762	56 33	45 46	252.2	14±	9–10... 9–10	1828+	H	
11443	Ho 610	DM (26°) 4333	56 34	26 16	236.3	0.60	9.0... 9.2	1897.22	Ho 4	
11444	Ho 469	W^1 XXI^h. 1280	56 37	− 3 3	27.2	0.59	8.5... 9.5	1892.74	Ho 1	
11445	H 1715	....	56 54	44 42	251.8	9±	11 ...12	1828+	H	
11446	Σ 2853	DM (67°) 1382	56 54	67 24	188.5	3.85	8.0...10.5	1832.89	Σ 4	8.0 *yel'sh*
11447	A 307	A. G. Camb. 13123	56 59	25 37	172.7	0.96	9.2... 9.5	1901.53	A 3	
11448	H 1716	....	57 1	50 39	90.0	3±	12 ...12	1828+	H	A and B
					315.5	3±	...13	1828+	H	A and C
11449	H 3085	DM (68°) 1264	57 4	68 57	330.8	15±	9–10...11	1830+	H	"Triple"
					287.8	13±	...14	1830+	H	
11450	See 465	O. Arg. S. 21837	57 5	−25 26	189.6	2.70	7.9...14.3	1897.66	See 1	
11451	Ho 177	L 43010	57 7	36 24	110.2	8.08	6.5...13	1886.27	Ho 2	
11452	H 3083	....	57 28	6 14	212.4	20±	10 ...11	1830+	H	
11453	H 3084	....	57 30	6 17	46.8	6±	10 ...11	1830+	H	
11454	H 1718	....	21 57 31	54 32	41.2	4±	10 ...10	1828+	H	A and B "C est. from diagram"
					280±	4±	...11	1828+	H	A and C

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11455	Hu 491	DM (4°) 4792	21^{h}57^{m}37^s	4°40′	258°.6	0″.74	9.5...10.8	1901.27	Hu 3	(*Bul. L. O.* No. 21)
11456	H 952	DM (2°) 4466	57 39	2 44	358±	7±	11 ...15	1820+	H	
11457	H 1719	....	57 39	54 31	224.0	4½±	11 ...11	1820+	H	
11458	OΣ 459	L 43028	57 51	38 59	196.6	10.70	7.5...10.2	1845.68	OΣ 2	
11459	β 694	*Lacertae* 4	58 6	44 4	352.3	0.50	6.0... 8.5	1878.66	β 2	
11460	See 467	Cord. 21^h. 1836	58 25	−27 26	117.5	9.03	8.3...14.5	1896.84	See 2	
11461	H 3086	....	58 29	−18 41	25.9	12±	10 = 10	1830+	H	
11462	Σ 2854	W^1 XXI^h. 1305	58 32	13 4	83.1	3.10	7.7... 8.0	1830.13	Σ 3	*White*
11463	β 695	DM (60°) 2330	58 33	60 31	147.8	2.54	8.0...12.3	1878.54	β 2	
11464	β 696	DM (15°) 4558	58 43	15 17	355.1	0.50	8.0... 8.0	1877.32	Δ 2	
11465	H 290	....	59 5:	10 55:	93±	5±	11 ...12	1820+	H	
11466	H 291	....	59 5:	10 53:	95±	3±	10 ...11	1820+	H	
11467	H 1720	....	59 9	− 6 1	147.6	6±	11 ...11+	1828+	H	
11468	Σ 2855	SD (2°) 5689	59 9	− 2 0	295.7	27.52	7.9... 9.5	1828.84	Σ 4	*7.9 wh.*
11469	H 953	W^2 XXI^h. 1467	59 16	32 22	115±	17±	6–7...13	1820+	H	
11470	H 3087	DM (8°) 4788	59 17	8 36	102.5	30±	7–8... 8–9	1830+	H	
11471	Σ 2860	O. Arg. N. 23322	59 26	60 16	250.8	3.32	7.7... 9.3	1832.30	Σ 3	*Very yel.: blue*
11472	OΣ 460	DM (1°) 4579	59 32	1 12	352.2	5.78	7.3...11.7	1849.69	OΣ 3	A and B } *7.3 wh.*
					49.1	15.95	...11.0	1849.69	OΣ 3	A and C }
11473	H 3088	W^2 XXI^h. 1473	59 33	21 23	193.5	12±	9 ...14–15	1830+	H	(See p. 1085)
11474	H 3089	....	59 41	21 22	120.9	12±	9–10..12	1830+	H	(See p. 1085)
11475	Σ 2856	DM (4°) 4801	59 48	4 17	200.9	1.07	8.2... 8.8	1830.47	Σ 3	*Yel'sh: wh.*
11476	Hd 169	....	59 49:	− 2 40	33.6	2.68	8.5... 8.9	1881.64	β 3	
11477	OΣ 461	15 *Cephei*	59 59	59 14	298.1	11.13	5.9...10.6	1848.72	OΣ 5	A and B
					38.8	90.25	... 9.5	1876.36	Δ 3	A and C
					72.6	183.44	... 7.5	1876.36	Δ 3	A and D
					347.0	136.07	... 6.7	1876.36	Δ 3	D and E
					37.6	236.73	....	1876.37	Δ 3	A and E
					34.0	192.36	... 7.5	1876.37	Δ 3	E and F
11478	H.C.Wilson26	....	22 0 :	−23 40:	331.1	10±	9 ...11	1885.62	W 1	From Wilson (Cin^{10})
11479	Hu 776	DM (51°) 3240	0 1	52 5	350.9	0.28	9.5...10.0	1901.50	Hu 1	
11480	H 1724	DM (50°) 3547	0 13	50 50	223.0	13±	9–10..10	1828+	H	
11481	Σ 2857	*Pegasi* 114	0 15	9 31	113.8	19.52	7.0... 8.7	1828.17	Σ 3	*Wh.: ash*
11482	H 1723	....	0 16	44 29	185.0	15±	9 ...10	1828+	H	A and B }
					256.3	15±	...15	1828+	H	A and C }
11483	Σ 2863	ξ *Cephei*	0 18	64 2	288.9	5.60	4.7... 6.5	1831.77	Σ 3	*Yel'sh: blue*
11484	Σ 2859	DM (19°) 4853	0 19	20 1	341.8	3.17	9.0... 9.8	1830.42	Σ 5	
11485	H 1721	W^2 XXI^h. 1501	0 20	29 19	281.1	6±	9 ...12	1828+	H	
11486	Σ 2861	W^2 XXI^h. 1497	0 22	20 13	219.9	7.13	7.7... 8.2	1830.10	Σ 3	*White*
11487	H 1722	DM (31°) 4627	0 22	31 21	43.0	12±	9–10..10	1828+	H	8.9m. in DM
11488	H 1725	....	0 29	45 54	40±	20±	11 ...11+	1828+	H	"In a cluster"
11489	Howe 60	O. Arg. S. 21892	0 50	−28 38	150.4	2.42	8.0... 9.2	1877.72	Cin 2	
11490	Σ 2862	W^1 XXI^h. 1379	0 57	− 0 1	104.0	2.34	7.6... 8.0	1828.76	Σ 4	*Yel'sh: yel.*
11491	β 474	O. Arg. N. 23373	1 2	60 25	345.6	16.28	8.5...12.0	1878.67	β 1	
11492	A 183	A. G. Bonn 16342	1 2	44 47	244.6	0.52	8.4... 9.4	1900.93	A 3	
11493	A 407	A. G. Bonn 16343	1 5	41 24	27.7	0.67	9.2... 9.2	1902.63	A 3	
11494	Espin 103	DM (53°) 2782	1 6	53 48	213.6	1.6	9.1... 9.3	1901	Es	(*A. N.* 3784)
11495	H 1726	....	1 8	14 30	24.8	12±	11 ...11+	1828+	H	
11496	Ho 611	L 43136	1 16	27 44	84.5	17.35	8 ...12	1895.04	Ho 3	(*A. N.* 3558)
11497	Hu 492	SD (17°) 6446	1 21	−17 33	90.2	0.32	9.0... 9.5	1901.44	Hu 3	(*Bul. L. O.* No. 21)
11498	H 1727	....	1 24	14 35	222.3	20±	10 = 10	1828+	H	
11499	β 697	19 *Cephei*	1 27	61 42	95.8	19.75	6.0...12.0	1878.66	β 1	
11500	β 990	DM (62°) 2030	1 32	62 30	122.3	0.65	8.3... 9.7	1880.61	β 3	
11501	H 1729	DM (57°) 2452	1 38	57 44	97.2	14±	9–10..11	1828+	H	
11502	A 623	A. G. Bonn 16357	1 44	44 49	195.8	4.16	8.5...14.0	1903.93	A 2	(*Bul. L. O.* No. 50)
11503	H 3090	....	22 1 44	8 38	82.0	4±	12 = 12	1830+	H	"Neat"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11504	Σ 2865	O. Arg. N 23393	22^h 1^m 45^s	69° 38′	175°.1	16″.36	8.5... 9.0	1833.38	Σ 2	*White*
11505	Ho 612	W^2 XXI^h. 1544	1 46	33 56	67.8	26.49	7 ...12	1895.75	Ho 2	(*A. N.* 3558)
11506	OΣ 462	L 43165	1 49	35 31	334.4	1.43	7.2... 9.0	1848.52	OΣ 5	A and B
					33.8	7.53	...10.8	1850.00	OΣ 3	A and C
11507	A 308	A. G. Berlin 8529	1 57	25 3	118.0	0.19	8.5... 8.8	1901.74	A 4	
11508	See 469	Lac. 9034	1 59	−26 21	308.3	0.2±	8.1... 8.3	1897.75	See 1	
11509	H 1728	DM (12°) 4762	2 14	12 47	309.4	4±	10 ...15	1828+	H	A and B
					201.5	12±	...12	1828+	H	A and C
11510	H 3091	....	2 14	1 48	301.5	3±	10 ...10+	1830+	H	"Neat"
11511	H 3093	DM (53°) 2785	2 14	53 11	11.5	6±	10 ...11	1830+	H	
11512	β 170	L 43158	2 31	−19 4	63.7	1.69	9.1... 9.4	1876.05	Δ 4	
11513	H 1731	DM (41°) 4389	2 33	41 17	208.8	8±	10 ...12	1828+	H	
11514	Σ 2873	*Cephei* 180	2 40	82 18	77.3	13.79	6.2... 7.0	1832.30	Σ 4	*White*
11515	Hu 284	SD (19°) 6230	2 45	−19 34	112.0	3.38	8.9... 9.1	1900.76	Hu 2	(*A. J.* 494)
11516	H 1732	....	2 49	49 49	250.1	10±	10 ...11	1828+	H	
11517	H 3092	L 43172	2 53	−19 2	346.0	25±	9–10...10	1830+	H	
11518	Hu —	....	3 :	−19 28:	112.2	3.34	9.5... 9.7	1896.63	Hu 4	(*A. J.* 397)
11519	H 954	....	3 13	− 5 8	335±	5±	12 ...12	1820+	H	
11520	Ho 470	L 43230	3 24	38 47	352.8	11.97	7.0...13	1892.74	Ho 1	
11521	β 842	DM (4°) 4811	3 31	5 6	121.1	1.26	8.8... 9.1	1881.73	β 3	
11522	H 1733	DM (54°) 2688	3 41	54 22	261.7	16±	9–10...12	1828+	H	
11523	Σ 2868	DM (21°) 4697	3 44	21 57	5.1	1.12	8.3... 8.8	1830.41	Σ 3	*White*
11524	H 955	....	3 49	7 25	140±	4±	11 = 11	1820+	H	
11525	See 470	Cord. 22^h. 120	3 49	−24 7	32.2	1.81	7.9... 8.7	1897.81	See 2	
11526	....	*π^1 Pegasi*	3 54	32 35	314.4	27.40	5.7...12.0	1877.78	β 1	A and B
					261.7	72.78	...10.2	1879.34	β 3	A and C
					90.0	185.24	...10.7	1880.12	β 2	A and D
11527	Σ 2867	W^1 XXII^h. 39	4 5	7 22	208.1	10.46	7.9... 9.0	1831.03	Σ 4	*Yel'sh: bluish*
11528	Σ 2870	O. Arg. N. 23496	4 5	60 32	271.6	5.37	8.2... 9.2	1833.79	Σ 6	*White*
11529	Lv 11	SD (11°) 5771	4 8	−11 40	164.0	0.85	9.0... 9.0	1890.82	β 3	
11530	H 5526	....	4 10	1 2	60±	15±	11 ...12	1827.9	H	
11531	Σ 2866	DM (39°) 4767	4 13	40 4	53.3	9.03	8.8...11.3	1832.13	Σ 3	
11532	H 3096	DM (70°) 1214	4 18	70 23	342.9	7±	10 ...10–11	1830+	H	
11533	H 1735	L 43266	4 21	44 15	112.0	15±	7–8... 9–10	1828+	H	A and B
					160±	12±	...15	1828+	H	B and C
11534	H 956	....	4 22	18 2	310±	5±	10–11..10–11	1820+	H	
11535	H 1737	O Arg. N. 23498	4 26	46 59	348.8	5±	10 = 10	1828+	H	
11536	H 1739	DM (63°) 1809	4 26	63 30	68.7	15±	10 ...11–12	1828+	H	
11537	β 375	O. Arg. N. 23503	4 29	50 11	304.7	0.93	8.5...10.5	1876.41	Δ 1	
11538	OΣ 463	W^1 XXII^h. 47	4 30	13 10	346.8	4.53	7.5...11.4	1848.08	OΣ 4	7.5 *wh.*
11539	A 408	A G. Bonn 16405	4 30	42 2	184.5	1.31	9.0...12.5	1902.64	A 3	(*Bul. L. O.* No. 29)
11540	Σ 2869	*Pegasi* 129	4 32	14 2	253.7	22.74	5.8...11.8	1829.48	Σ 3	5.8 *very yel.*
11541	H 1738	....	4 32	45 53	179.3	4±	10 ...11–12	1828+	H	
11542	Σ 2872	P XXII^h. 11, 12	4 32	58 42	316.4	21.28	7.2...	1833.84	Σ 6	A and BC *Very*
					334.5	0.54	8.0... 8.0	1833.63	Σ 3	B and C *wh.*
11543	β 769	Lac. 9046	4 37	−35 3	351.6	0.91	7.4... 8.1	1891.85	β 3	
11544	Hu 285	SD (15°) 6158	4 45	−15 25	116.7	1.98	9.0... 9.3	1900.68	Hu 2	(*A. J.* 494)
11545	Σ 2874	DM (73°) 961	4 45	73 55	150.4	9.35	9.0...11.2	1834.45	Σ 2	9.0 *yel.*
11546	A. G. 280	A. G. Leiden 9342	5 2	31 5	180.1	11.18	9.0... 9.5	1902.61	β 2	
11547	H 3094	....	5 9	2 21	315.5	3±	10 ...10	1830+	H	"Points *n* of a star 10 m."
11548	H 957	....	5 10	2 41	310±	2±	11 ...11+	1820+	H	"Points backward to a star 11 m."
11549	H 3095	SD (17°) 6460	5 29	−17 44	337.2	3½±	10 ...10+	1830+	H	Another obsn., 155°.5
11550	H 1740	....	5 39	− 8 4	118.0	3±	11–12..12	1828+	H	
11551	Espin —	DM (63°) 1814	5 46	63 29	....	4±	9 ...11	1903	Es	(*M. N.* LXIV, 238)
11552	H 1742	DM (67°) 1409	5 50	67 8	336.3	18±	8 ...10	1828+	H	
11553	β 698	L 43303	22 5 55	6 18	337.6	9.97	7.2...12.0	1878.74	β 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11554	Ho 289	DM (26°) 4365	22^h 6^m 4^s	26°40′	347°.0	61″.11	7.2...	1887.75	Ho 2	A and BC
					321.4	3.03	11.0...11.5	1887.79	Ho 1	B and C
11555	Ho 178	W^2 XXII^h. 118	6 5	31 30	224.2	3.60	7.0...11.7	1881.71	Ho 3	
11556	OΣ 464	Rad^1. 5589	6 9	39 35	54.2	0.83	7.8... 8.0	1847.70	OΣ 3	
11557	β 475	L 43305	6 15	− 8 36	228.3	1.51	7.6...10.4	1891.84	β 3	
11558	H 3097	DM (5°) 4969	6 15	5 17	32.8	18±	9 ...10	1830+	H	"Triple"
					352.5	15±	...13	1830+	H	
11559	H 1741	B. A. C. 7746	6 29	50 14	328.5	20±	6 ...11	1828+	H	
11560	H 3098	....	6 30	5 27	82.1	25±	9–10...10	1830+	H	
11561	A 624	A. G. Hels. 12915	6 36	57 54	18.1	0.81	9.0...11.2	1903.69	A 3	(*Bul. L. O.* No. 50)
11562	β 436	O. Arg. N. 23612	6 43	57 21	327.5	19.63	7.5...11.5	1876.56	Δ 1	A and B
					100.5	19.36	...13	1889.66	Ho 1	A and C
11563	β 1215	SD (11°) 5781	6 47	−11 46	90.2	1.53	9.0... 9.0	1890.82	β 3	
11564	Σ 2876	DM (36°) 4785	6 48	37 4	68.4	11.79	7.7... 9.2	1829.44	Σ 2	7.7 *wh.*
11565	H 3099	....	6 51	10 58	57.3	8±	11 ...12	1830+	H	"A 9–10 m. star *p*"
11566	Ho 179	W^2 XXII^h. 145	7 11	29 37	246.3	0.47	8.0... 9.0	1884.85	Ho 2	
11567	Ku 63	DM (33°) 4453	7 15	33 23	240.2	4.05	9.9...10.3	1901.43	Ku 2	Kustner (3821)
11568	OΣ 465	Rad^1. 5596	7 17	49 36	324.3	15.32	7.2...10.7	1848.10	OΣ 3	
11569	Σ 2879	DM (62°) 2045	7 18	62 48	226.7	0.78	8.0... 8.0	1834.96	Σ 6	*Very wh.*
11570	A 409	A. G. Bonn 16461	7 22	40 20	22.9	0.49	9.1... 9.2	1902.63	A 3	(*Bul. L. O.* No. 29)
11571	Σ 2875 *rej.*	SD (8°) 5835	7 23	− 8 24	....	Cl. III	8 ...12	....	Σ	
11572	H 1743	....	7 26	23 14	303.3	9±	11 ...11	1828+	H	
11573	H 958	DM (21°) 4711	7 30	21 12	230±	3½±	10 ...11	1820+	H	
11574	A 625	A. G. Hels. 12929	7 32	57 7	54.3	0.30	8.6... 8.8	1903.69	A 3	A and B (*Bul. L. O.* No. 50)
					18.0	32.55	...13.0	1903.67	A 1	AB and C
11575	Ho 471	DM (40°) 4758	7 40	40 12	322.2	7.19	7.0...13	1892.79	Ho 1	A and B (*A. N.* 3234)
					54.5	14.71	...13	1892.79	Ho 1	A and C
11576	Sh 339	41 *Aquarii*	7 40	−21 40	120.7	5.17	7 ... 9	1823.75	Sh 1	*White: blue*
11577	H 1744	....	7 41	23 16	356.8	12±	10 ...12	1828+	H	
11578	Σ 2880	Rad^1. 5603	7 45	59 8	351.7	4.42	7.5... 9.4	1833.09	Σ 4	*Yel.: ash*
11579	β 699	W^1 XXII^h. 114	7 45	7 7	187.3	2.04	8.1...12.2	1878.44	β 3	
11580	β 171	L 43350	7 51	−21 38	258.9	11.45	8.0...12.0	1878.75	Cin 3	
11581	H 1745	....	7 52	13 30	0.0	12±	10 = 10	1828+	H	
11582	Σ 2883	*Cephei* 189	7 55	69 32	254.7	14.87	6.2... 8.2	1833.06	Σ 3	*Bluish wh.: blue*
11583	O. Stone 57	....	8 :	−20 40:	95.6	9.72	8.0... 9.5	1878.72	Cin 1	
11584	β 376	Rad^1. 5607	8 1	59 30	149.2	3.57	8.0...11.2	1876.24	Δ 2	
11585	Hu 286	DM (4°) 4824	8 2	5 1	270.0	1.53	9.0...13.5	1900.60	Hu 1	(*A. J.* 494)
11586	♅ I. 49	O. Arg. N. 23668	8 3	60 10	4.2	....	....	1783.06	♅ 1	
11587	Espin 146	DM (52°) 3140	8 6	52 17	8.4	2.7	9.2... 9.4	1902	Es 1	(*M. N.* LXIII 172)
11588	Ho 291	L 43403	8 10	48 47	197.7	9.11	7.2...12.7	1888.39	Ho 2	
11589	Hu 695	DM (50°) 3612	8 12	50 27	15.1	0.83	9.0... 9.5	1903.46	Hu 2	(*Bul. L. O.* No. 57)
11590	Σ 2878	*Pegasi* 148	8 31	7 23	130.8	1.36	6.5... 8.0	1830.31	Σ 4	*White*
11591	Σ 2884	DM (63°) 1820	8 31	63 9	151.5	2.09	8.0... 9.5	1833.55	Σ 3	8.0 *yel'sh*
11592	Σ 2877	P XXII^h. 33	8 33	16 36	316.4	7.63	6.4... 9.6	1828.95	Σ 4	*Yel.: blue*
11593	β 476	W^2 XXII^h. 180	8 41	30 48	93.1	2.57	9.5...10.0	1877.57	Δ 4	
11594	A 626	A. G. Hels. 12956	8 43	59 37	251.1	0.51	9.0... 9.0	1903.69	A 3	(*Bul. L. O.* No. 50)
11595	H 1746	B. A. C. 7765	8 43	39 8	180.0	20±	6 ...12	1828+	H	A and B
					185.5	60±	...13	1828+	H	A and C
11596	Hd 170	DM (16°) 4695	8 51	16 38	60.9	8.90	11 ...11	1867.88	Hd 1	
11597	β 991	Rad^1. 5619	9 1	51 58	150.9	0.59	8.0... 8.0	1880.16	β 5	
11598	Σ 2882	W^2 XXII^h. 191	9 2	37 9	326.5	3.22	9.2... 9.2	1832.23	Σ 3	
11599	Σ 2881	DM (28°) 4327	9 6	28 59	111.4	1.76	7.7... 8.2	1830.46	Σ 3	*Yel'sh: bluish wh.*
11600	OΣ (App) 230	W^2 XXII^h. 201	9 8	39 53	159.4	45.15	7.3... 8.7	1875.38	Δ 3	
11601	A. G. 281	DM (21°) 4718	9 9	21 21	21.3	1.88	8.8... 9.8	1902.87	Cg 4	
11602	OΣ 467 *rej.*	L 43417	9 10	21 56	273.8	22.83	6.3...10.3	1865.94	Δ 3	
11603	Ho 472	Cord. DM (23°) 17331	22 9 15	−23 19	244.8	3.98	8.0...12.2	1889.79	Ho 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11604	Hu 777	DM (78°) 780	22^h 9^m 27^s	78°16′	209°.7	0″.45	8.8...10.0	1904.48	Hu 1	
11605	H 1747	DM (67°) 1418	9 43	67 53	94.5	6±	10 ...12	1828+	H	A and B
					215.6	20±	...11	1828+	H	A and C
11606	H 5322	SD (3°) 5414	9 48	− 3 29	203.3	12±	10 = 10	1834+	H	
11607	A 410	A. G. Bonn 16508	9 50	41 6	343.2	0.66	8.6...11.5	1902.74	A 3	(*Bul. L. O.* No. 29)
11608	Σ 2885 *rej.*	SD (8°) 5844	9 56	− 8 17	98.8	21.96	8.0...12.0	1879.75	Cin 1	
11609	Σ 2886	L 43476	9 58	48 46	109.1	19.33	7.3... 9.5	1832.38	Σ 3	*7.3 yel'sh wh.*
11610	H 3101	....	10 9	11 53	334.0	15±	10 ...10+	1830+	H	
11611	H 3100	SD (11°) 5791	10 18	−11 48	81.6	35±	9–10...13	1830+	H	
11612	Ho 614	L 43498	10 24	50 53	174.9	4.63	7.5...10	1897.27	Ho 2	
11613	Σ 2890	DM (49°) 3790	10 26	49 17	11.7	9.06	8.5... 8.7	1832.28	Σ 3	*White*
11614	β 477	W^2 XXII^h. 225	10 28	30 49	45.7	6.51	9.3...11.0	1877.45	Δ 3	
11615	H 3102	....	10 29	1 11	351.4	18±	9–10 = 9–10	1830+	H	
11616	H 960	....	10 29	30 15	55±	6±	10 ...11	1820+	H	
11617	Σ 2893	DM (72°) 1022	10 42	72 43	348.6	28.83	5.5... 7.6	1833.58	Σ 4	*Yel'sh: wh.*
11618	Σ 2889	W^2 XXII^h. 231	10 46	25 40	199.5	2.21	8.2...10.8	1830.44	Σ 3	*8.2 yel.*
11619	H 5324	Cord. DM (24°) 17099	10 46	−24 19	357.3	10±	8 ...12	1835.7	H	
11620	Ho 180	W^2 XXII^h. 238	10 49	43 18	42.5	0.50	7.2... 7.2	1886.84	Ho 2	
11621	OΣ 468	W^2 XXII^h. 237	10 54	33 8	165.9	12.47	7.0...11.2	1854.26	OΣ 4	
11622	Hu 696	DM (51°) 3307	11 1	51 18	232.7	0.28	8.8... 9	1903.46	Hu 2	(*Bul. L. O.* No. 57)
11623	H 293	DM (12°) 4794	11 2	12 22	276.4	10±	9 ...13	1820+	H	
11624	Σ 2887	DM (−1°) 4279	11 10	− 1 18	25.7	8.82	9.0... 9.0	1829.83	Σ 3	
11625	β 377	O. Arg. N. 23765	11 23	54 4	302.8	7.02	10.6...11.5	1891.54	β 3	B and C
					65.9	63.88	8.0...	1891.54	β 3	A and B
11626	Σ 2891	DM (43°) 3753	11 37	47 23	309.2	12.42	8.2... 9.2	1832.42	Σ 3	*Yel'sh wh.: wh.*
11627	Hu 287	DM (7°) 4836	11 52	7 41	67.7	1.55	8.2...13.5	1900.60	Hu 1	(*A. J.* 494)
11628	See 471	....	11 53	−28 45	33.4	4.35	10.7...12	1896.78	See 2	
11629	A 184	A. G. Bonn 16547	12 14	45 57	314.6	2.20	8.6...11.3	1900.90	A 3	
11630	H 3103	....	12 18	4 6	117.3	12±	10 ...11	1830+	H	
11631	H 1748	DM (57°) 2497	12 24	57 56	269.0	10±	10–11 = 10–11	1829+	H	
11632	H 961	W^2 XXII^h. 262	12 25	17 49	275±	5±	8–9...14	1820+	H	
11633	H 3104	SD (17°) 6488	12 35	−17 42	83.9	8±	10 ...11	1830+	H	
11634	Hu 595	DM (50°) 3648	12 37	50 13	195.6	0.64	8.0...10.0	1902.55	Hu 3	(*Bul. L. O.* No. 27)
11635	Kr 57	A. G. Hels. 13018	12 48	61 26	221.8	1.22	9.0... 9.1	1890.79	β 1	
11636	β 378	O. Arg. N. 23808	12 50	60 16	90.8	3.18	9.2...10.2	1876.55	Δ 2	A and B
					29.4	7.48	...11.8	1878.65	β 1	A and C
11637	Σ 2892 *rej.*	SD (11°) 5807	12 55	−11 24	50.0	9.	8.0...11.7	1831.32	Σ	A and B
					266 0	35.	... 9.0	1831.32	Σ	A and C
11638	H.C.Wilson 27	....	13 1	−24 15:	356.8	10.54	8.5... 9.5	1885.72	W 1	From Wilson (Cin^{10})
11639	H 3105	DM (22°) 4612	13 14	22 14	122.5	15±	9–10...12	1830+	H	
11640	Ho 181	W^2 XXII^h. 290	13 28	38 28	38.1	2.96	8.2...10.7	1886.81	Ho 2	A and B
					298.6	18.44	...11	1886.82	Ho 1	A and C
					349.6	27.9	...10	1886.82	Ho 1	A and D
11641	Σ 2894	P XXII^h. 65	13 40	37 10	193.5	15.31	6.0... 8.2	1831.56	Σ 3	*Wh.: ash*
11642	Hu 383	DM (20°) 5127	13 54	20 31	42.6	0.24	9.0... 9.0	1901.70	Hu 3	(*Bul. L. O.* No. 12)
11643	H 1749	....	13 59	21 36	271.0	5±	10 ...16	1828+	H	A and B "The *s* of two"
					31.3	6±	...16	1828+	H	A and C
11644	Howe 61	....	14 :	5 3:	121.6	1.03	8.5... 9.0	1879.64	Cin 1	
11645	H 1750	DM (15°) 4621	14 4	15 14	242.0	15±	9–10...13	1828+	H	
11646	H 962	30 *Pegasi*	14 25	5 11	30±	4±	5 ...20	1820+	H	A and B
					212.0	6±	...19	1820+	H	A and C
11647	H 1751	DM (55°) 2721	14 25	55 31	112.5	8±	10 ...10–11	1828+	H	
11648	H —	W^1 XXII^h. 263	14 25	10 26	310.7	35±	7–8...11–12	1830+	H	
11649	Σ 2896	O. Arg. N. 23867	14 36	62 37	241.9	21.54	7.5... 8.5	1833.09	Σ 3	*Wh.: bluish*
11650	β 1216	L 43605	14 42	28 55	317.7	0.64	8.4... 8.7	1890.51	β 3	
11651	H 5329	SD (4°) 5661	22 14 47	− 4 10	97.6	6±	10 ...10	1837.6	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11652	A 782	DM (71°) 1120	$22^h\ 14^m\ 48^s$	71°21′	261°.2	0″.34	9.0... 9.5	1904.52	A 1	
11653	See 472	....	14 50	−25 58	55.9	4.62	11 ...12.7	1896.83	See 2	
11654	H 3107	....	14 52	77 54	185.0	7±	11 ...13	1830+	H	
11655	A 627	....	14 52	59 36	135.9	0.96	10.1...10.8	1903.69	A 3	(*Bul. L. O.* No. 50)
11656	H 1752	DM (24°) 4578	15 0	24 29	288.6	12±	10 ...10+	1828+	H	
11657	Σ 2895	W^2 XXII^h. 314	15 8	24 21	6.1	4.85	8.5...10.0	1830.09	Σ 3	8.5 *yel.*
11658	A 185	A. G. Bonn 16603	15 9	45 48	291.3	0.33	9.2... 9.3	1900.95	A 3	
11659	OΣ 469	W^2 XXII^h. 317	15 11	34 31	280.5	31.80	7.2... 8.8	1846.79	OΣ 3	7.2 *wh.*
11660	A 628	A. G. Leip. 8928	15 16	10 17	227.6	1.05	8.7...11.2	1903.88	A 2	(*Bul. L. O.* No. 50)
11661	H 1754	DM (63°) 1832	15 21	63 18	158.1	8±	10 ...11	1828+	H	
11662	H 1753	DM (44°) 4099	15 25	44 38	184.8	2½±	11 ...11+	1828+	H	A and B
					179.0	....	...11	1828+	H	A and C
11663	H 3106	γ *Aquarii*	15 27	− 1 59	125.9	49.46	4-5...13	1838.76	Mu 1	
11664	β 1217	L 43635	15 33	30 42	218.9	0.61	7.4...10.3	1890.53	β 3	
11665	A 186	A. G. Bonn 16613	15 38	47 41	356.1	0.58	9.0...10.0	1900.93	A 4	
11666	Ho 615	32 *Pegasi*	15 47	27 44	127.1	72.78	5 ... 9.3	1893.82	Ho 3	A and B (*A. N.* 3558)
					18.3	2.36	...11	1895.73	Ho 1	B and C
					309.6	41.98	...12	1895.77	Ho 2	A and D
					116.3	60.33	...12	1893.82	Ho 3	A and E
11667	Σ 2897	DM (14°) 4785	15 58	14 39	100.2	16.72	8.7... 9.5	1829.47	Σ 3	
11668	β 379	Rad^1. 5658	16 0	53 13	332.0	1.11	8.3... 9.0	1877.26	Δ 6	
11669	H 1755	2 *Lacertae*	16 4	45 56	10.0	30±	5-6...12	1828+	H	
11670	A 411	A. G. Bonn 16625	16 14	41 12	200.6	0.28	8.0... 8.7	1902.67	A 3	(*Bul. L. O.* No. 29)
11671	Σ 2898	DM (10°) 4739	16 22	10 29	282.3	12.34	8.3... 9.5	1829.10	Σ 3	
11672	Kr 58	A. G. Hels. 13077	16 26	59 16	28.0	1.55	9.0... 9.1	1890.79	β 1	
11673	Σ 2899 *rej.*	DM (5°) 5008	16 33	5 52	32.2	18.53	7.9...11.1	1904.53	β 2	
11674	OΣ (App) 231	L 43659	16 37	9 20	109.8	91.02	7.2... 8.0	1875.74	Δ 3	
11675	Hu 384	DM (20°) 5135	16 37	20 55	318.8	0.30	9.4...11.0	1901.72	Hu 3	(*Bul. L. O.* No. 12)
11676	H 3111	DM (74°) 959	16 39	75 6	77.4	15±	9 ...16	1830+	H	"Difficult; verified with 320"
11677	H 1756	DM (39°) 4814	16 42	40 4	283.5	15±	9 ...12	1828+	H	
11678	H 3110	....	16 48	69 24	215.3	12±	9-10...12	1830+	H	
11679	H 1757	....	16 54	50 36	306.3	8±	10 ...12	1828+	H	
11680	Ho 474	W^2 XXII^h. 354	17 3	29 45	36.2	4.46	11 ...11	1892.73	Ho 1	B and C
					110.	45.06	7 ...	1892.73	Ho 1	A and B
11681	Ku 64	DM (28°) 4360	17 8	28 13	159.8	33.73	9.7...10.3	1901.83	Ku 2	A and B Kustner (3821)
					281.1	32.46	...11.2	1901.97	Ku 2	A and C
					111.1	6.16	...11.8	1901.89	Ku 2	C and D
11682	Ho 292	W^1 XXII^h. 316	17 13	5 3	61.1	3.61	8.0...11.5	1887.80	Ho 2	
11683	H 1761	....	17 14	74 14	40±	1½±	12 = 12	1828+	H	
11684	H 3112	DM (69°) 1242	17 16	70 2	124.6	16±	10 ...10+	1830+	H	
11685	OΣ 470	Rad^1. 5665	17 26	66 22	353.5	3.69	6.9... 9.4	1850.77	OΣ 3	6.9 *wh.*
11686	OΣ (App) 232	W^1 XXII^h. 330	17 34	3 14	190.4	65.72	8.7... 9.0	1875.98	Δ 4	
11687	Ho 182	DM (16°) 4723	17 37	16 57	135.0	1.55	8.5... 8.5	1884.83	Ho 2	
11688	H 3109	DM (10°) 4742	17 45	10 8	315.7	18±	9-10...10	1830+	H	
11689	A 630	A. G. Leip. 8947	17 45	10 31	306.3	1.23	8.3...13.0	1903.89	A 3	(*Bul. L. O.* No. 50)
11690	Σ 2900	33 *Pegasi*	17 52	20 15	180.7	2.47	6.0... 9.2	1832.38	Σ 6	A and B 6.0 *yel'sh*
					343.0	56.56	... 7.9	1832.70	Σ 6	A and C
11691	β 172	51 *Aquarii*	17 52	− 5 27	20.4	0.46	6.7... 6.7	1875.66	Δ 6	
11692	A 629	A. G. Hels. 13102	17 58	59 23	331.8	1.01	9.2... 9.4	1903.69	A 3	(*Bul. L. O.* No. 50)
11693	Hu 493	DM (18°) 4984	17 59	18 37	167.7	0.78	9.0... 9.5	1901.65	Hu 3	(*Bul. L. O.* No. 21)
11694	H 1759	....	18 3	38 36	304.8	5±	11 ...12	1828+	H	
11695	H 1758	DM (27°) 4305	18 6	27 25	262.9	8±	11 ...11	1828+	H	
11696	Σ 2903	O. Arg. N. 23985	18 10	66 6	96.5	4.25	7.0... 8.0	1832.48	Σ 3	*Yel.: blue*
11697	Hu 385	DM (21°) 4746	18 12	21 56	76.8	1.35	8.7...15.0	1901.73	Hu 2	(*Bul. L. O.* No. 12)
11698	Espin 104	DM (44°) 4117	18 21	44 54	52.3	5.9	8.5...13.8	1901	Es	(*A. N.* 3784)
11699	Σ 2901	L 43732	22 18 23	3 13	147.1	2.75	8.5... 9.1	1830.35	Σ 4	*White*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11700	H 1762	DM (47°) 3786	22^h 18^m 28^s	47°48′	355°.3	16″.±	9–10...10	1828+	H	
11701	Weisse 38	W^2 XXII^h. 382	18 31	40 18	53.6	6.59	8.8... 9.0	1901.64	β 3	
11702	Σ 2902	O. Arg. N. 23976	18 32	44 45	89.9	6.40	7.1... 8.0	1833.54	Σ 5	*Yel.: wh.*
11703	H 1760	....	18 37	26 35	341.2	2½ ±	11 ...13	1828+	H	
11704	β 843	DM (1°) 4606	18 42	2 3	236.1	3.46	8.4...12.5	1881.65	β 3	
11705	Ho 183	DM (21°) 4747	19 6	21 58	216.7	2.07	8.2...11.6	1883.25	Ho 4	
11706	H 1763	....	19 9	23 33	113.5	10±	10–11=10–11	1828+	H	
11707	A 412	A. G. Bonn 16685	19 10	43 26	126.0	2.20	8.9...13.3	1902.67	A 3	
11708	S 808	L 43742	19 15	−20 51	154.6	6.46	8 ...11	1825.80	S 1	
11709	H 5527	....	19 19	10 3	55±	30±	8.5...10	1825.8	H	
11710	H 3113	SD (13°) 6186	19 40	−13 1	190.4	7±	10 ...11	1830+	H	A and B
					328.4	20±	...10	1830+	H	A and C
11711	H 963	DM (17°) 4745	19 41	18 6	60±	2±	10 ...11	1820+	H	
11712	Ho 616	L 43788	19 43	21 58	1.2	18.69	7.2...12.5	1895.28	Ho 2	(*A. N.* 3558)
11713	A. G. 282	A. G. Leiden 9943	19 46	32 47	235.2	3.92	9.5... 9.9	1902.51	β 2	
11714	Espin 147	DM (54°) 2769	19 54	54 16	25.1	2.0	8.3...10.2	1902	Es 3	A and B (*M. N.* LXIII, 172)
					204.8	29.1	...10.2	1902	Es 2	A and C
11715	Sh 345	53 *Aquarii*	20 3	−17 21	303.1	10.03	6 ... 6½	1823.86	Sh 2	A and B CD= β 1307
					339.1	46.66	....	1901.09	β 3	B and C
					101.4	1.83	12.9...13.9	1901.28	β 4	C and D
11716	β 290	34 *Pegasi*	20 31	3 47	218.9	2.62	6.0...12.5	1878.49	β 5	
11717	H 1765	....	20 31	42 40	183.8	8±	10–11..11	1828+	H	
11718	Barnard 16	DM (57°) 2525	20 38	57 14	247.5	3.11	9.2...11.5	1902.81	Bar 5	(*A. J.* 546)
11719	Hu 596	DM (18°) 4988	20 43	18 48	20.7	1.16	9.5...10.0	1901.74	Hu 3	(*Bul. L. O.* No. 27)
11720	Σ 2904	SD (2°) 5763	20 59	− 2 23	314.0	8.16	8.9... 9.4	1830.57	Σ 4	
11721	H 1764	SD (7°) 5784	21 0	− 7 51	191.8	16±	8 ...12	1828+	H	9.1 m. in SD
11722	H 3115	W^2 XXII^h. 435	21 3	22 12	261.5	15±	8–9...12	1830+	H	"Quadruple"
					330.8	18±	...12	1830+	H	
					96.1	30±	...12	1830+	H	
11723	H 3116	DM (6°) 5023	21 15	6 56	260±	....	....	1830+	H	
11724	Ho 185	DM (37°) 4573	21 15	38 1	155.6	2.73	9.0...11.5	1885.84	Ho 2	
11725	H 3114	L 43829	21 20	−17 53	93.8	7±	8–9...10	1830+	H	
11726	Σ 2905	W^1 XXII^h. 426	21 20	14 32	283.8	3.28	8.5... 8.5	1829.47	Σ 3	*White*
11727	Ho 184	DM (42°) 4398	21 21	42 55	293.2	2.30	9.0...11.5	1885.81	Ho 2	A and B
					314.7	45.04	... 9.0	1885.77	Ho 1	A and C
11728	Σ 2906	DM (36°) 4835	21 26	36 50	4.4	4.54	7.0...10.6	1832.40	Σ 4	7.0 *very wh.*
11729	Hu 386	SD (18°) 6130	21 33	−18 45	222.9	0.57	9.0...11.5	1901.31	Hu 3	(*Bul. L. O.* No. 12)
11730	H 3117	....	21 34	6 59	260.4	15±	10 ...14	1830+	H	
11731	β 700	DM (48°) 3728	21 35	49 5	333.8	9.83	8.2...12.0	1878.19	β 2	
11732	β 291	W^1 XXII^h. 436	21 39	3 55	157.8	0.33	8.4... 8.4	1875.82	Δ 4	
11733	H 1767	....	21 43	54 58	211.8	9±	10–11..11	1828+	H	
11734	H 1766	DM (49°) 3853	21 47	49 41	264.8	10±	10 ...11	1828+	H	
11735	β 380	Rad^1. 5693	22 2	49 6	321.6	24.37	7.3...12.0	1876.10	Δ 2	A and B
					134.2	36.31	... 7.7	1874.97	Δ 3	A and C
					245.7	21.40	...12.5	1877.60	β 1	C and D
11736	β 701	L 43867	22 10	11 38	283.4	1.24	7.0...10.0	1877.82	Δ 2	
11737	Σ 2908	W^1 XXII^h. 446	22 22	16 39	116.3	8.86	7.0... 8.7	1828.75	Σ 2	7.0 *yel'sh wh.*
11738	β 173	DM (56°) 2776	22 24	56 35	232.8	2.88	8.4...10.7	1875.83	Δ 5	
11739	H 1769	....	22 24	59 34	50.0	6±	10–11..13	1828+	H	
11740	H 1768	O. Arg. N. 24093	22 27	47 12	8.3	20±	9 ... 9–10	1828+	H	
11741	Σ 2910	DM (22°) 4645	22 31	22 55	247.2	5.30	8.3... 8.8	1832.14	Σ 3	*White*
11742	β 1218	W^2 XXII^h. 476	22 33	29 5	53.5	1.44	8.6... 8.8	1890.52	β 3	
11743	Σ 2909	ζ *Aquarii*	22 39	− 0 38	359.8	3.60	4.0... 4.1	1825.73	Σ 2	*Greenish wh.*
11744	See 474	Lac. 9144	22 41	−29 16	289.8	0.56	7.4... 8	1896.72	See 2	A and B
					306.5	20±	6–7...10	1830+	H	AB and C
11745	Σ 2907 *rej.*	W^1 XXII^h. 449	22 22 42	−10 33	159.5	40±	9 ...10	1830+	H	From H (V); "a third near"

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11746	**H 3119**	DM (72°) 1036	$22^h\ 22^m\ 50^s$	73° 0′	92°8	20″ ±	8–9...13	1830+	H	8.0 m. in DM (See p. 1085)
11747	**Hd Zones**	DM (0°) 4879	22 53	0 40	182.0	3.13	9.5... 9.6	1901.74	β 2	
11748	**Kr 59**	A. G. Hels. 13155	22 53	63 6	165.7	1.59	9.0... 9.2	1890.75	β 1	
11749	**H 964**	....	22 55	9 47	150±	7±	10 ...12	1820+	H	
11750	**β 174**	L 43888	22 58	−10 17	287.9	7.38	8.5...12.0	1876.15	Δ 3	
11751	**H 1770**	....	22 59	34 56	103.3	3±	11 = 11	1828+	H	
11752	**β 478**	SD (8°) 5881	23 8	− 7 56	32.6	1.32	9.0...11.0	1878.20	β 2	A and B
					239.0	28.55	... 9.0	1877.80	β 1	A and C
11753	**H 1771**	....	23 11	56 52	208.6	10±	11 ...11–12	1828+	H	
11754	**OΣ 471** *rej.*	DM (6°) 5027	23 15	7 0	....	....	7 ...	....	....	
11755	**H 1773**	....	23 21	58 17	....	....	....	1828+	H	
11756	**β 76**	L 43906	23 22	− 0 49	335.3	1.47	8.2...10.1	1876.24	Δ 4	
11757	**H 1772**	DM (45°) 3952	23 29	45 32	103.1	3±	10–11 = 10–11	1828+	H	"Very neat"
11758	**H 965**	DM (33°) 4511	23 30	33 55	135±	15±	9–10...11	1820+	H	
11759	**β 844**	L 43912	23 32	5 2	317.1	3.20	9.3...10.9	1881.73	β 3	B and C
					34.3	98.34	8.1...	1881.73	β 3	A and B
11760	**A 187**	A. G. Bonn 16767	23 32	47 56	132.3	1.90	7.5...12.7	1900.86	A 3	
11761	**Kr 60**	A. G. Hels. 13170	23 43	57 6	178.8	2.32	9.0...12.0	1890.79	β 1	A and B
					56.3	26.82	... 9.2	1890.79	β 1	A and C
11762	**A 783**	DM (70°) 1241	23 47	70 23	182.4	4.24	9.0...10.0	1904.52	A 1	
11763	**Σ 2912**	37 *Pegasi*	23 54	3 49	112.6	1.16	5.8... 7.2	1831.12	Σ 3	*White*
11764	**H̶ IV. 31**	DM (57°) 2542	23 53	57 50	....	20±	....	1781.40	H̶	
11765	**β 1264**	L 43933	24 1	− 0 29	21.7	3.85	7.8...13.3	1891.70	β 3	
11766	**H̶ N. 34**	....	24 6:	−28 49:	....	....	....	1785.66	H̶	
11767	**Σ 2913**	L 43936	24 14	− 8 44	331.9	8.01	7.0... 8.0	1830.85	Σ 3	*Wh.: reddish*
11768	**Hn 169**	O. Arg. S. 22195	24 20	−19 48	172.8	1.39	8.2... 9.8	1886.73	LM 2	
11769	**A 309**	A. G. Camb. 13492	24 22	25 20	77.5	4.96	8.5...13.0	1901.73	A 2	
11770	**Hu 388**	DM (21°) 4770	24 31	21 51	141.3	0.24	8.0... 8.5	1901.73	Hu 3	(*Bul. L. O.* No. 12)
11771	**H 296**	....	24 40:	12 32:	220±	12±	9 ...11	1820+	H	"Large star ruddy"
11772	**β 702**	δ *Cephei*	24 43	57 48	285.7	19.37	...13	1878.65	β 2	A and B A *yel.*: C *blue*
					192.0	40.87	3.0... 5.3	1835.15	Σ 6	A and C
11773	**OΣ 472** *rej.*	L 44016	25 6	51 48	5.8	15.80	6.8...11.7	1867.61	Δ 3	
11774	**H 1774**	....	25 13	36 29	52.2	10±	11 ...12	1828+	H	A and B
					307.8	15±	....	1828+	H	A and C
11775	**H 1775**	....	25 34	15 0	204.9	8±	10–11..12–13	1828+	H	
11776	**Doo 17**	DM (56°) 2793	25 38	56 23	237.3	2.99	9.3...11.0	1899.02	Doo 4	(*Pub. Flower Obsy.* I)
11777	**H 1778**	....	25 46	65 37	296.9	3±	14 ...15	1828+	H	"Very delicate"
11778	**OΣ 473**	Rad$^{\text{I}}$. 5720	25 46	56 37	356.8	14.94	6.7...10.0	1848.42	OΣ 3	
11779	**Σ 2917**	O. Arg. N. 24221	25 50	52 55	71.2	4.69	8.0... 8.0	1832.96	Σ 3	*White*
11780	**Doo 18**	DM (56°) 2795	25 53	56 14	44.8	2.70	9.2...10.5	1899.11	Doo 3	(*Pub. Flower Obsy.* I)
11781	**H 1777**	DM (47°) 3822	25 54	47 49	318.8	8±	9 ...13	1828+	H	
11782	**H 3120**	Cord. DM (29°) 18382	26 2	−29 10	142.4	15±	9 ...11	1830+	H	
11783	**Σ 2914** *rej.*	W^1 XXII^h. 515	26 5	−11 33	239.0	10±	9–10...14	1830+	H	A and B
					249.5	4±	...14	1830+	H	B and C
					334.1	2±	...16	1830+	H	A and *a*
11784	**Σ 2916**	DM (40°) 4843	26 5	40 36	335.3	45.25	7.3... 8.8	1833.39	Σ 3	A and B 7.3 *yel.*
					30.6	3.51	...10.2	1833.39	Σ 3	B and C
11785	**β 1308**	DM (12°) 4837	26 18	12 34	274.1	9.34	9.4...	1901.08	β 3	A and B
					63.5	1.10	12.2...13.3	1901.81	β 3	B and C
11786	**β 703**	α *Lacertae*	26 21	49 40	298.8	30.16	4 ...12.0	1878.02	β 2	
11787	**Σ 2918**	DM (50°) 3741	26 21	50 15	245.5	1.40	8.0... 9.7	1834.67	Σ 3	8.0 *yel'sh*
11788	**β 479**	DM (67°) 1444	26 29	67 36	29.8	2.41	9.7...11.2	1877.10	Δ 2	
11789	**Σ 2915**	W^1 XXII^h. 527	26 33	6 48	169.0	12.27	8.5... 8.7	1827.76	Σ 3	*White*
11790	**Espin 148**	....	26 42	61 0	286.2	3.5	10 ...10.5	1902	Es 2	(*M. N.* LXIII, 172)
11791	**β 704**	DM (66°) 1518	27 3	66 56	207.3	2.3±	9.0...11.5	1877.55	β 1	
11792	**Hu 389**	SD (19°) 6299	22 27 4	−19 18	102.6	0.36	8.5... 8.7	1901.31	Hu 3	(*Bul. L. O.* No. 12)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11793	Ho 475	DM (25°) 4759	22^h 27^m 7^s	25°48′	325°7	0″67	8.0... 8.2	1893.79	Ho 1	A and B
					224.1	7.69	...10.2	1893.78	Ho 2	A and C
11794	H 1779	W^2 XXII^h. 573	27 8	33 37	244.9	20±	8 ...11	1828+	H	
11795	β 381	W^2 XXII^h. 580	27 22	32 47	230.6	1.48	8.5...10.0	1877.04	Δ 3	
11796	Σ 2919	DM (20°) 5181	27 22	20 33	273.8	14.30	9.0...10.5	1829.75	Σ 4	
11797	H 1780	....	27 26	56 13	245±	10±	10 ...14	1828+	H	
11798	A. G. 283	DM (54°) 2796	27 36	54 35	333.8	2.86	8.7... 9.1	1901.03	Es 3	
11799	H 297	....	27 39:	15 42:	165±	5–10	10 ...11	1820+	H	
11800	Ho 293	DM (33°) 4531	27 47	33 20	349.3	1.39	8.2...12.0	1887.33	Ho 1	
11801	H 298	....	27 47:	11 53:	183±	30±	10 ...10½	1820+	H	
11802	β 770	L 44060	27 47	−23 13	352.8	1.36	8.2...12.3	1891.88	β 3	
11803	β 77	SD (2°) 5780	27 50	− 2 24	213.0	2.65	9.5...10.3	1876.05	Δ 3	A and B
					225.6	28.80	...11.0	1888.75	β 3	A and C
11804	H 3121	DM (11°) 4826	27 52	11 29	32.1	15±	10 ...11	1830+	H	
11805	H.C. Wilson 28	....	28 :	68 0:	143.8	13.72	9.5...11.5	1892.78	W 1	
11806	H 1781	DM (24°) 4608	28 0	24 29	290.2	10±	10 ...15	1828+	H	
11807	H 1782	....	28 6	59 37	330±	2±	11 ...11+	1828+	H	"Two pairs near together"
11808	H 1783	....	28 12	59 37	278.8	3±	11 ...11	1828+	H	
11809	Espin 105	DM (49°) 3886	28 8	49 44	294.7	11.7	8.1...13.8	1901	Es	(*A. N.* 3784) (See p. 1085)
11810	Ho 476	DM (25°) 4766	28 15	25 58	206.5	6.48	9.0... 9.3	1892.32	Ho 2	
11811	H 1784	DM (61°) 2310	28 16	61 52	339.7	10±	10 ...11	1828+	H	
11812	β 705	L 44111	28 18	40 12	158.0	1.5±	7.0...12.5	1878.53	β 1	
11813	Ho 477	L 44110	28 25	29 7	165.6	12.69	8.0...11.0	1892.37	Ho 2	(*A. N.* 3234)
11814	Σ 2920	DM (3°) 4730	28 27	3 36	144.0	13.61	7.1... 8.2	1829.90	Σ 4	*White*
11815	Hu 390	SD (19°) 6303	28 40	−19 2	97.8	0.82	8.4...13.5	1901.18	Hu 2	(*Bul. L. O.* No. 12)
11816	H 5345	W^1 XXII^h. 571	28 41	− 5 40	207±	10±	9½...10	1836.7	H	
11817	β 707	L 44138	28 46	38 43	46.6	1.86	8.0...12.5	1878.48	β 1	
11818	H 1785	DM (28°) 4405	29 3	29 6	175.7	12±	9–10...10	1828+	H	
11819	H 1787	....	29 7	47 53	291.1	8±	11 ...11+	1828+	H	
11820	H 1786	DM (40°) 4854	29 12	40 9	228.0	30±	8–9...11	1828+	H	
11821	Ho 617	W^2 XXII^h. 615	29 13	21 41	52.3	16.89	7 ...12.5	1895.71	Ho 2	(*A. N.* 3558)
11822	H 3122	L 44122	29 22	−21 33	247.6	40±	7 ...10	1830+	H	"A third, 11 m., near"
11823	Hn 51	DM (1°) 4631	29 23	1 57	181.1	0.90	8.5... 8.9	1881.63	β 3	
11824	Arg. 44	O. Arg. N. 24310	29 23	49 46	168.3	7.20	8.1... 8.3	1877.74	Δ 2	
11825	H 966	DM (30°) 4744	29 28	30 11	270±	8±	9 ...11	1820+	H	
11826	Σ 2927	DM (80°) 724	29 30	80 13	316.3	15.51	8.7... 9.7	1832.82	Σ 2	
11827	β 706	DM (67°) 1450	29 30	67 53	11.8	2.30	8.1...12.7	1891.88	β 2	A and B
					252.9	29.95	...11.7	1891.88	β 2	A and C
11828	Σ 2924	DM (69°) 1262	29 33	69 17	257.3	0.84	6.8... 7.3	1831.76	Σ 3	*Yel'sh*
11829	H 1788	W^2 XXII^h. 634	29 38	40 57	297.8	2½±	10 ...11	1828+	H	"Fine"
11830	Kr 61	A. G. Hels. 13262	29 48	57 35	115.1	3.91	9.3... 9.7	1890.79	β 1	
11831	H 967	....	29 49	16 46	1±	12±	10 ...11	1820+	H	
11832	β 175	DM (74°) 970	29 49	74 24	138.9	1.44	10.3...10.5	1875.65	Δ 3	
11833	Σ 2921 *rej.*	DM (−0°) 4385	29 51	− 0 27	185.3	15±	10 ...11–12	1830+	H	
11834	Σ 2923	*Cephei* 222	29 53	69 45	46.4	9.26	6.9... 9.2	1833.16	Σ 4	*Wh.: ash*
11835	β 771	σ^2 *Gruis*	29 58	−41 13	263.1	2.46	6.7...13	1891.87	β 3	
11836	H 3124	DM (52°) 3245	30 8	52 22	270.5	5±	9–10...11	1830+	H	
11837	H 1789	....	30 18	54 26	111.1	7±	10 ...12	1828+	H	A and B
					191.0	12±	...12	1828+	H	A and C
11838	H 3123	....	30 22	−22 17	153.6	10±	10 ...12	1830+	H	
11839	Σ 2922	8 *Lacertae*	30 32	39 1	185.7	22.47	6.0... 6.5	1831.61	Σ 3	A and B AB *very wh.*
					155.2	28.15	...10.2	1830.96	Σ 2	B and C
					131.6	66.49	... 8.5	1830.96	Σ 2	B and D
11840	OΣ 474 *rej.*	DM (34°) 4728	30 41	34 57	....	....	6 ...	....	....	
11841	H V. 96	....	30 42:	−22 47:	250±	Cl. V	....	1783.63	H	
11842	β 708	DM (67°) 1451	22 30 42	67 53	289.6	8.78	9.0...12.0	1892.78	W 1	

Number	Double Star	Star Catalogue	R.A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11843	H 1790	DM (15°) 4680	$22^h\ 30^m\ 50^s$	15°13′	83°4	6″ ±	10 ...13	1828+	H	"Hazy" (See p. 1085)
11844	Ho 186	W^2 XXII^h. 668	30 59	27 10	23.3	7.38	7.0...12.2	1881.65	Ho 3	
11845	H 1791	Groom. 3833	31 2	56 14	64.1	16±	8 ... 9	1828+	H	
11846	H 5528	....	31 22	8 11	90±	1½±	11 ...12	1823+	H	
11847	Ho 618	DM (25°) 4776	31 32	26 6	224.0	6.54	7.7...12.7	1894.80	Ho 2	(*A. N.* 3558)
11848	H 5529	*κ Aquarii*	31 32	− 4 51	290±	4½±	....	1827.8	H	
11849	Hu 391	DM (23°) 4575	31 43	23 19	167.0	0.73	9.2...10.5	1901.71	Hu 3	(*Bul. L. O.* No. 12)
11850	Σ 2925	DM (5°) 5046	31 50	5 17	3.6	7.06	8.7... 9.5	1830.04	Σ 4	
11851	Ho 294	W^2 XXII^h. 694	31 56	26 49	54.5	1.82	8.0...10.0	1889.84	Ho 2	
11852	Doo 19	....	32 0	56 46	191.9	2.61	10.7...11.5	1900.66	Doo 3	(*Pub. Flower Obsy.* I)
11853	Σ 2926	DM (38°) 4816	32 5	38 17	336.1	20.81	8.5... 8.5	1832.13	Σ 3	*White*
11854	H 3126	SD (21°) 6267	32 9	−21 15	2.4	15±	9 ...11	1830+	H	
11855	H 5355	L 44225	32 10	−14 42	....	Cl. IV	8 ..8½..9	1823+	H	L 44222 $3^s.8$ *p* and 27′ *n*
11856	Hn 52	O. Arg. N. 24396	32 18	50 40	289.3	4.75	8.1...11.1	1881.51	β 6	
11857	H 3127	DM (53°) 2933	32 21	53 37	294.9	7±	10 ...11	1830+	H	
11858	Ho 479	L 44239	32 22	1 41	232.0	0.62	7.5... 9.0	1893.46	Ho 1	
11859	Hu 90	SD (11°) 5889	32 44	−11 37	220.2	2.00	9.1...12.3	1899.80	Hu 3	(*A. J.* 480)
11860	H 1792	DM (58°) 2459	32 44	58 53	133.3	5±	9 ...12	1828+	H	
11861	Ho 480	W^2 XXII^h. 725	32 47	29 5	224.8	0.74	8.0... 9.1	1892.75	Ho 3	
11862	β 1092	Rad^1. 5777	33 3	72 15	237.1	0.32	7.5... 7.5	1889.30	β 2	A and B
					264.0	29.19	...12.2	1889.31	β 3	AB and C
					137.4	42.17	... 7.2	1889.31	β 3	AB and D
11863	H N. 117	B. A. C. 7891	33 5	−28 57	159.7	85.31	6 ... 7	1836.64	H 1	A and B
					57.6	4.36	... 9	1837.50	H 3	B and C
11864	H 1793	....	33 8	46 25	296.2	8±	10–11..11	1828+	H	
11865	Hu 392	DM (18°) 5015	33 9	18 12	344.5	0.51	9.2... 9.5	1901.65	Hu 3	(*Bul. L. O.* No. 12)
11866	Σ 2928	W^1 XXII^h. 671	33 10	−13 14	327.7	4.70	8.0... 8.0	1830.82	Σ 3	*White*
11867	H 1794	....	33 11	46 22	313.1	12±	9–10...11	1828+	H	
11868	A. G. 284	A. G. Lund 10793	33 17	36 40	50.7	26.23	9.0... 9.0	1902.59	β 3	
11869	H 1795	....	33 18	46 43	209.1	7±	10 ...11	1828+	H	
					....	6±	...12	1828+	H	
11870	Σ 2929	W^1 XXII^h. 677	33 20	9 55	358.0	1.87	9.0... 9.5	1828.09	Σ 3	
11871	Hu 393	DM (19°) 4976	33 21	19 36	256.4	0.40	9.0...11.5	1901.66	Hu 3	(*Bul. L. O.* No. 12)
11872	Σ 2930	DM (6°) 5045	33 26	6 33	77.6	21.62	8.3... 9.3	1830.11	Σ 3	
11873	Ho 295	L 44318	33 29	43 41	326.4	0.25±	7.0... 7.0	1887.30	Ho 2	
11874	H 3128	L 44290	33 34	−19 49	224.4	12±	8 ...12	1830+	H	
11875	OΣ 475	L 44319	33 39	36 45	73.3	15.63	7.0...11.0	1847.51	OΣ 3	
11876	Hu 288	SD (16°) 6125	33 43	−16 35	254.8	0.21	8.5... 8.6	1900.69	Hu 2	(*A. J.* 494)
11877	S 813	10 *Lacertae*	33 52	38 26	48.7	60.44	6 ...12	1825.27	S 2	
11878	H 1796	Rad^1. 5781	33 54	56 10	22.1	18±	5–6...11	1828+	H	
11879	Hu 779	DM (34°) 4739	33 57	34 47	152.3	0.76	8.8...12.2	1904.48	Hu 2	
11880	A 413	A. G. Camb. 13621	33 58	27 45	16.7	0.93	8.9...12.8	1902.78	A 2	(*Bul. L. O.* No. 29)
11881	H 968	DM (36°) 4899	34 3	36 16	110±	3–4	9–10...12	1820+	H	"Elegant double star"
11882	Espin 106	DM (48°) 3795	34 5	48 48	264.8	7.9	8.9... 9.5	1901	Es	(*A. N.* 3784)
11883	H 3129	....	34 5	−21 34	2.0	28±	8 ...13	1830+	H	
11884	Ho 187	DM (36°) 4900	34 6	37 7	286.3	18.34	6.0...12.9	1883.06	Ho 6	
11885	H 3131	....	34 7	5 51	167.8	8±	11 ...11+	1830+	H	
11886	H 3130	....	34 9	− 1 58	2.8	12±	10–11..11–12	1830+	H	"A third star 40″ dist."
11887	Hu 778	DM (34°) 4740	34 9	34 34	41.5	0.45	9.1... 9.6	1904.48	Hu 2	
11888	β 277	L 44348	34 14	40 45	199.4	0.50	8.2... 8.4	1875.35	Δ 2	
11889	H 299	....	34 18:	16 33:	285±	15–20	....	1820+	H	
11890	Hu 494	DM (5°) 5054	34 32	5 54	53.8	0.31	8.8... 9.0	1901.40	Hu 3	(*Bul. L. O.* No. 21)
11891	A. G. 285	A. G. Leiden 9605	34 33	32 5	312.8	38.30	8.7... 8.8	1902.62	β 2	
11892	H 1797	....	34 34	49 30	128.8	12±	10 ...11	1828+	H	
11893	Ho 188	L 44361	34 46	36 54	42.6	0.38	8.0... 8.0	1885.81	Ho 2	
11894	H 3132	....	22 34 54	0 15	151.1	3±	10–11..10–11	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11895	Ho 296	B. A. C. 7912	$22^h 34^m 56^s$	13°55′	225° ±	0″.5 ±	5.5... 5.5	1888.84	Ho	
11896	Hd 171	....	35 :	−20 12:	....	12.88	8.5... 9	1868.82	Hd 1	
11897	Σ 3134	DM (29°) 4726	35 6	29 22	76.2	6.06	9.0... 9.3	1832.48	Σ 3	
11898	H 1799	....	35 8	64 56	339.0	10 ±	10 ...12	1828+	H	"Unless P=39°.0"
11899	β 480	W^1 XXII^h. 716	35 18	4 6	65.6	0.86	9.0... 9.8	1877.51	Δ 3	
11900	β 1265	DM (60°) 2425	35 18	60 47	251.4	0.56	9.1... 9.2	1891.58	β 3	B and C }
					346.3	39.69	8.8...	1891.58	β 3	A and BC }
11901	Hu 780	DM (13°) 4973	35 18	13 55	1.4	0.29	9.2... 9.2	1904.40	Hu 1	
11902	Σ 2931	DM (12°) 4870	35 21	12 33	147.8	4.46	8.5... 9.4	1830.30	Σ 4	*White*
11903	β 709	SD (3°) 5487	35 26	− 3 11	8.9	2.04	8.5... 9.7	1878.17	β 3	
11904	H 3134	DM (5°) 5055	35 30	5 25	141.8	15 ±	10 ...10	1830+	H	
11905	....	ζ *Pegasi*	35 38	10 12	137.8	64.33	3 ...11.0	1879.54	β 1	
11906	Σ 2932	DM (29°) 4733	35 50	29 25	280.7	19.04	8.7... 9.2	1832.39	Σ 4	A and B }
					15 ±	20 ±	...(13)	1828+	H	A and C }
11907	Ħ N. 140	SD (5°) 5843	35 51	− 5 44	....	Cl. II	....	1801.90	Ħ	
11908	Σ 2934	DM (20°) 5208	36 3	20 48	187.8	1.22	8.2... 9.2	1830.78	Σ 3	*Yel'sh wh.: wh.*
11909	Hu 781	DM (14°) 4851	36 4	14 36	304.9	0.49	8.5... 9.5	1904.40	Hu 1	
11910	S 815	12 *Lacertae*	36 6	39 36	16.5	72.07	6 ...12	1825.27	S 2	
11911	H 3135	SD (21°) 6287	36 7	−21 35	7.9	30 ±	8 ...12	1830+	H	
11912	β 845	O. Arg. N. 24536	36 27	67 53	195.4	5.69	8.1...12.1	1881.53	β 3	A and B }
					9.1	15.50	...13.2	1881.54	β 2	A and C }
11913	A 310	SD (5°) 5847	36 41	− 5 19	319.9	0.88	8.1...10.8	1901.85	A 3	
11914	Σ 2935	SD (9°) 6038	36 46	− 8 56	313.3	2.57	7.0... 7.8	1831.18	Σ 3	*Very wh.*
11915	Σ 2933 *rej.*	DM (10°) 4804	36 49	10 22	....	Cl. IV	....	....	Σ	
11916	Σ 2936	*Aquarii* 215	36 50	0 35	47.1	4.69	7.0...10.0	1832.16	Σ 3	*7.0 very wh.*
11917	β 710	DM (28°) 4439	36 57	29 5	231.2	0.59	8.5... 8.6	1878.66	β 1	
11918	A 188	A. G. Bonn 17024	37 0	46 26	207.6	2.71	7.6...13.8	1900.86	A 3	
11919	Hu 394	DM (5°) 5060	37 0	5 59	70.0	0.64	9.8...11.5	1901.31	Hu 3	(*Bul. L. O.* No. 12)
11920	β 176	DM (38°) 4848	37 5	38 40	39.7	1.89	8.8... 9.3	1878.18	Δ 3	
11921	Hu 395	DM (23°) 4595	37 5	23 10	141.1	0.49	9.3... 9.5	1901.71	Hu 3	A and B }
					248.4	8 ±	10 ...12	1828+	H 1	AB and C }
11922	Hu 289	SD (16°) 6142	37 6	−16 46	103.3	1.64	8.6... 8.7	1900.75	Hu 3	
11923	A 414	A. G. Bonn 17029	37 19	43 23	15.8	1.82	9.2... 9.3	1902.64	A 3	(*Bul. L. O.* No. 29)
11924	β 1144	η *Pegasi*	37 23	29 36	83.3	0.29	10.1...10.1	1889.53	β 4	B and C }
					339.0	90.38	4 ...	1889.53	β 4	A and BC }
11925	H 1801	DM (12°) 4876	37 34	12 16	298.0	15 ±	10 ...10+	1828+	H	}
					354.5	10 ±	10 ...14	1828+	H	}
11926	H 3138	....	37 34	53 58	286.7	7 ±	10–11=10–11	1830+	H	"A neat star"
11927	H 3137	Cord. DM (27°) 16036	37 38	−27 3	150.2	25 ±	9 ...11	1830+	H	
11928	Hu 91	L 44484	37 54	46 32	227.2	0.15	8.0...10.0	1898.67	Hu 3	B and C } AB = OΣ 476
					335.0	0.50	6.8... 7.2	1847.46	OΣ 3	A and BC }
11929	Σ 2940	DM (71°) 1158	38 2	72 6	139.4	2.58	8.5... 9.7	1832.64	Σ 3	*White*
11930	OΣ 477	L 44497	38 16	45 24	122.7	9.60	7.2...11.1	1846.06	OΣ 3	*7.2 wh.*
11931	H 5359	SD (4°) 5747, 5748	38 34	− 4 37	68.3	20 ±	9 ... 9+	1834+	H	A and B } (= Σ 2937 *rej.*)
					336 ±	20 ±	...12	1834+	H	A and C }
11932	H 1804	DM (63°) 1879	38 35	63 51	339.0	15 ±	9 ...15	1828+	H	(See p. 1085)
11933	H 3139	....	38 37	4 43	142.	2 ±	11 = 11	1830+	H	
11934	See 476	O. Arg. S. 22382	38 37	−23 44	39.5	3.92	8.4...14.8	1896.83	See 2	
11935	H 300	....	38 38:	11 0:	220 ±	20 ±	11 ..12	1820+	H	
11936	Σ 2942 = OΣ 478	B. A. C. 7931	38 40	38 50	282.1	2.66	7.0... 9.2	1831.61	Σ 4	A and B } *Reddish gold: ash*
					232.6	10.75	...12.5	1878.13	β 4	A and C } AC = β 450
11937	Barnard 17	....	38 42	9 38	33.0	2.09	10 ...12	1894.88	Bar 1	
11938	OΣ 479	13 *Lacertae*	38 44	41 11	129.0	14.62	5.4...10.8	1849.04	OΣ 4	*5.4 very yel.*
11939	Σ 2938	SD (3°) 5501	38 53	− 3 17	163.2	19.54	8.2... 8.2	1829.47	Σ 3	*White*
11940	Σ 2939	P XXII^h. 209	39 3	−10 16	62.1	11.08	7.7...10.7	1831.33	Σ 2	*7.7 wh.*
11941	A. G. 286	DM (23°) 4600	22 39 5	23 45	....	....	7.5...	....	....	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11942	**Hu 92**	**DM** (66°) 1539	$22^h\ 39^m\ 29^s$	67° 6′	352°4	1″04	....	1899.77	Hu 2	B and C
					188.3	20±	9–10...10	1828+	H	A and BC
11943	**β 711**	**DM** (10°) 4812	39 29	10 34	79.9	0.72	8.5...10.5	1878.59	β 1	
11944	**Hu 290**	**SD** (16°) 6150	39 35	−16 13	355.4	3.27	9.0...11.0	1900.75	Hu 3	(*A. J.* 494)
11945	**H 1805**	....	39 37	46 22	173.9	4±	11 ...12	1828+	H	
11946	**H 1806**	**DM** (44°) 4217	39 49	44 11	338.0	6±	9–10..10	1828+	H	
11947	**A. G. 287**	**A. G. Lund** 10867	39 51	39 24	194.6	14.59	8.6...10.2	1902.63	β 2	
11948	**H 3141**	**O. Arg. N.** 24624	39 57	73 8	327.6	12±	9 ...11	1830+	H	
11949	**Hu 782**	**DM** (33°) 4581	39 58	33 21	319.5	2.39	9.0... 9.6	1904.48	Hu 2	
11950	**Hd 172**	....	40 :	−19 56:	*p*	15±	9 ...10.5	1868.82	Hd	
11951	**Ho 481**	**DM** (28°) 4446	40 3	28 45	117.7	0.25±	8.3... 8.3	1892.44	Ho 4	
11952	**Σ 2941**	**DM** (18°) 5048	40 7	18 37	270.5	8.73	7.5...10.2	1830.07	Σ 3	7.5 *yel'sh*
11953	**Hu 783**	**DM** (50°) 3817	40 19	50 51	133.3	0.17	8.5... 8.5	1904.40	Hu 1	
11954	**♅ V. 94**	....	40 24:	72 54:	135.2	41.67	....	1783.20	♅ 1	
11955	**H 969**	**DM** (33°) 4583	40 24	33 20	30±	4–5	10 ...11	1820+	H	
11956	**H 3142**	**DM** (71°) 1161	40 26	71 15	169.4	15±	9 ...11	1830+	H	"The *p* of two"
11957	**H 301**	ξ *Pegasi*	40 42	11 33	122.8	15±	5 ...18	1820+	H	
11958	**Hu 784**	**DM** (51°) 3462	40 48	51 54	274.3	2.38	9.0...12.5	1904.40	Hu 1	
11959	**Hu 291**	**SD** (16°) 6152	40 53	−16 46	6.0	2.12	7.1... 9.8	1900.75	Hu 3	(*A. J.* 494)
11960	**H 3144**	**DM** (71°) 1162	41 2	71 16	127.2	8±	12 = 12	1830+	H	"The *f* of two"
11961	**Ho 619**	**L** 44606	41 2	51 28	8.0	18.70	7 ...12	1897.78	Ho 1	(*A. N.* 3558)
11962	**OΣ 529**	**O. Arg. N.** 24642	41 3	67 30	201.1	3.41	7.5... 8.8	1849.74	OΣ 2	A and B
					218.9	20.64	... 9.0	1849.74	OΣ 2	A and C
11963	**H 3140**	**Cord. DM** (27°) 16055	41 8	−27 54	90.0	15±	9–10...11	1830+	H	
11964	**H 1808**	**DM** (48°) 3832	41 13	48 25	133.8	6±	10 = 10	1828+	H	
11965	**Ho 189**	**W^2 XXII^h**. 935	41 13	34 48	339.9	3.60	8.5...13	1886.24	Ho 2	
11966	**OΣ 480**	**Rad^1**. 5827	41 19	57 27	117.3	30.94	7.5... 8.2	1845.84	OΣ 2	
11967	**Σ 2943**	τ^1 *Aquarii*	41 20	−14 41	112.2	30.70	6.0... 9.2	1831.81	Σ 3	6.0 *very yel.*
11968	**Σ 2944**	**P XXII^h**. 219	41 40	− 4 51	246.9	4.12	7.0... 7.5	1832.98	Σ 8	A and B 7.0 *yel'sh*; 8.2 *wh.*
					157.3	55.64	... 8.2	1833.01	Σ 7	A and C
11969	**A 189**	**A. G. Bonn** 17101	41 43	44 8	201.9	0.92	8.4... 8.5	1900.84	A 3	
11970	**OΣ 481**	**L** 44676	41 55	77 53	267.7	2.43	7.5... 9.3	1855.18	OΣ 6	7.5 *wh.*
11971	**β 1037**	**W^1 XXII^h**. 854	41 56	12 22	224.4	0.66	8.7...10.8	1888.81	β 4	
11972	**H 3143**	....	42 3	6 17	331.6	12±	10 ...11	1830+	H	Another obs., P = 324°9
11973	**Ho 297**	....	42 7	26 14	141.1	6.70	9.5...10.0	1883.80	Ho 2	
11974	**H 3145**	**SD** (16°) 6156	42 17	−16 13	202.4	12±	10 ...11	1830+	H	
11975	**H 1810**	**DM** (57°) 2617	42 22	57 30	356.2	12±	8 ...12	1828+	H	
11976	**H 1812**	**DM** (46°) 3828	42 37	46 53	54.5	10±	10 ...11	1828+	H	
11977	**β 1145**	**O. Arg. N.** 24690	42 45	57 55	153.0	1.03	8.2...11.0	1889.59	β 3	A and B
					179.5	21.99	... 9.5	1889.59	β 3	A and C
11978	**Innes 141**	**O. Arg. S.** 22432	42 46	−20 54	319.6	2.70	8.1... 9.8	1897.85	See 1	
11979	**β 1146**	**W^2 XXII^h**. 971	42 49	30 28	335.3	0.23	7.2... 8.2	1889.55	β 3	
11980	**H 970**	....	42 49	0 58	270±	10±	11 = 11	1820+	H	
11981	**Hn 53**	**Lam.** 4660	42 54	− 7 8	2.3	1.51	8.6...10.0	1881.68	β 3	
11982	**H 1811**	**DM** (12°) 4892	42 56	12 30	157.9	2½±	10 ...11	1828+	H	
11983	**H 1813**	**DM** (40°) 4913	43 8	40 58	233.8	6±	10 ...10	1828+	H	Another obs., P = 244°7
11984	**A. G. 288**	**A. G. Lund** 10891	43 11	37 40	179.1	18.29	8.8... 9.2	1902.63	β 2	
11985	**♅ VI. 97**	τ^2 *Aquarii*	43 14	−14 13	288.5	123.61	....	1783.60	♅ 1	
11986	**β 1219**	**SD** (11°) 5931	43 27	−11 42	307.9	0.54	8.7... 9.4	1890.82	β 3	
11987	**Ho 190**	**DM** (27°) 4420	43 38	27 23	152.8	2.04	9.2... 9.2	1881.79	Ho 2	
11988	**S 820**	....	44 :	72 15	279.3	120.89	8 ... 9	1825.27	S 2	
11989	**Σ 2945**	**DM** (30°) 4816	44 2	30 41	292.6	3.88	8.5... 8.5	1832.12	Σ 3	*White*
11990	**H 1814**	**DM** (47°) 3932	44 9	47 57	78.0	12±	9–10...10	1828+	H	
11991	**Σ 2946**	**W^2 XXII^h**. 1005	44 14	39 53	253.1	5.05	8.0... 8.0	1831.68	Σ 4	*White*
11992	**H 1815**	....	44 15	44 49	29.6	5±	11 ...11+	1828+	H	"Elegant"
11993	**H 3146**	**SD** (21°) 6312	22 44 22	−21 18	39.4	15±	9–10...13	1830+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
11994	H 971	DM (3°) 4781	22^h 44^m 31^s	4° 4′	330° ±	4″ ±	11 ...18	1820+	H	H (V) 338°.6: 4½″ ± : 10-11 ... 16
11995	β 846	L 44688	44 34	23 54	93.4	1.73	8.6...12.2	1881.57	β 3	
11996	H 1816	DM (45°) 4069	44 36	45 42	138.9	6±	9–10...10	1830+	H	
11997	Σ 2947	O. Arg. N. 24747	44 54	67 56	76.0	2.98	7.2... 7.2	1832.45	Σ 3	*White*
11998	H 3147	DM (72°) 1064	45 5	72 18	252.0	12±	10 ...13	1830+	H	
11999	H 1817	DM (33°) 4597	45 11	33 49	247.5	8±	10 ...11	1828+	H	Double in A. G.
12000	OΣ 530	....	45 20	67 32	208.9	5.05	9.0...10.0	1849.74	OΣ 2	
12001	Σ 2948	DM (65°) 1813	45 20	65 55	5.3	2.78	7.0... 8.7	1832.84	Σ 3	*Yel'sh wh.: bluish wh.*
12002	H 1818	DM (12°) 4896	45 24	12 53	49.1	8±	10 ...12	1828+	H	
12003	H 1820	....	45 28	51 32	258.0	12±	11 ...13	1828+	H	"In a group of about a dozen"
12004	H —	DM (52°) 3306	45 31	52 28	225.3	20±	9–10 = 9–10	1830+	H	
12005	H 1821	DM (59°) 2579	45 33	59 39	110±	8±	10 ...12	1828+	H	"P est. from diagram"
12006	Hn 54	O. Arg. N. 24750	45 33	50 29	195.9	1.76	8.7... 8.9	1881.55	β 3	
12007	H 1819	DM (28°) 4468	45 34	28 36	73.3	15±	9 ...11	1828+	H	
12008	Ho 482	L 44721	45 41	25 45	112.2	0.25±	6.8... 6.8	1893.75	Ho 3	
12009	A 415	A. G. Bonn 17169	45 43	43 27	332.8	3.90	9.0...13.3	1902.64	A 2	(*Bul. L. O.* No. 29)
12010	β 1332	DM (52°) 3308	45 52	52 24	130.0	1.63	8.4... 8.6	1902.54	β 5	A and B
					310.2	3.26	...13.3	1902.54	β 4	A and C
12011	Hu 93	SD (13°) 6289	45 53	−13 35	146.1	4.53	9.0...10.7	1899.80	Hu 3	(*A. J.* 480)
12012	β 177	O. Arg. S. 22454	45 55	−22 21	278.7	2.63	7.5... 8.0	1876.51	Cin 3	
12013	Doo 20	....	46 12:	58 4:	59.5	79.74	9.0...	1900.78	Doo 1	A and BC (*Pub. Flower Obsy.* I)
					113.4	1.09	12.0...12.5	1900.78	Doo 1	B and C
12014	Σ 2949	DM (29°) 4789	46 15	29 24	183.2	11.13	8.8...10.5	1831.85	Σ 3	
12015	H 1824	DM (56°) 2880, 2881	46 17	56 34	47.4	18±	9–10...10	1828+	H	
12016	Ho 298	Yar. 10052	46 19	39 5	181.6	0.70	8.0...11.3	1888.23	Ho 2	
12017	H 1823	W^2 XXII^h. 1057	46 23	40 41	257.8	19.00	6.3...12.0	1874.69	Δ 1	A and B
					338.3	81.98	... 7.3	1874.78	Δ 3	A and C
					148.1	4±	...11	1828+	H	C and D
12018	H 3148	....	46 23	−15 51	132.8	20±	9 ...13	1830+	H	
12019	β 451	15 *Lacertae*	46 37	42 40	128.5	29.60	5 ...12.0	1888.71	β 3	
12020	A 631	A. G. Hels. 13486	46 39	56 48	292.6	0.53	9.2...10.0	1903.72	A 2	(*Bul. L. O.* No. 50)
12021	Σ 2950	*Cephei* 241	46 40	61 3	319.1	2.04	5.7... 7.0	1832.25	Σ 4	*Yel.: ash*
12022	H 1826	DM (74°) 988	46 46	74 32	188.9	20±	8 ...14	1828+	H	7.8 m. in DM
12023	H 3150	DM (52°) 3314	46 51	52 26	292.6	20±	9–10..9–10+	1830+	H	
12024	H 3149	DM (3°) 4789	47 6	4 2	230.4	30±	9–10...10	1830+	H	8.9 m. in DM
12025	A 632	A. G. Hels. 13499	47 9	57 5	135.6	0.46	8.0... 8.8	1903.72	A 2	(*Bul. L. O.* No. 50)
12026	H 972	DM (30°) 4828	47 19	31 2	185±	15±	9 ...10	1820+	H	
12027	H 302	DM (10°) 4841	47 21	10 12	330±	4–5	9 ...12	1820+	H	
12028	H 3151	....	47 43	−12 30	120.4	4±	12 = 12	1830+	H	
12029	Ho 483	DM (2°) 4579	47 44	2 9	348.9	0.95	9.2... 9.6	1893.26	Ho 2	
12030	H 1825	W^1 XXII^h. 970	47 50	12 58	230±	1±	10 ...11	1828+	H	
12031	Ho 191	W^2 XXII^h. 1081	47 53	30 7	87.9	3.37	7.0...13	1881.75	Ho 2	A and B
					279.4	24.32	...10	1881.69	Ho 1	A and C
12032	OΣ 482	P XXII^h. 258	47 55	82 31	30.2	3.46	5.2... 9.9	1850.59	OΣ 6	
12033	H 1827	....	47 57	51 29	322.4	9±	10–11 = 10–11	1828+	H	
12034	H 1829	....	47 59	68 47	357.6	12±	10–11..11	1828+	H	
12035	Σ 2953	DM (60°) 2453	48 2	60 17	137.7	8.29	7.5... 9.5	1832.46	Σ 2	7.5 *yel.*
12036	β 382	B. A. C. 7983	48 18	44 7	205.7	1.07	6.0... 8.0	1876.39	Δ 7	A and B
					353.6	26.43	...10.7	1876.24	Δ 3	AB and C
12037	Σ 2952 *rej.*	*Pegasi* 260	48 28	27 23	137.0	15±	8 ...11	1828+	H	
12038	OΣ (App) 238	Rad^1. 5878	48 28	67 21	280.9	69.05	6.5... 7.2	1875.48	Δ 3	
12039	H 973	....	48 28	34 48	265±	7±	12 = 12	1820+	H	
12040	H N. 135	....	48 30:	−12 7:	....	Cl. I	....	1801.76	H	
12041	H 3152	L 44810	48 40	−10 1	135.4	3±	9 ...15	1830+	H	
12042	Σ 2955 *rej.*	W^1 XXII^h. 983	48 41	6 37	332.0	20±	8 ...12	1830+	H	
12043	β 847	W^2 XXII^h. 1103	22 48 45	19 42	37.4	6.39	8.5... 9.2	1881.64	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12044	Σ 2954	DM (14°) 4892	22^h 48^m 51^s	14°33′	28°6	36″73	9.0... 9.0	1830.96	Σ 2	
12045	Hu 396	DM (5°) 5105	48 51	5 31	29.3	4.56	8.8...11.5	1901.31	Hu 3	(*Bul. L. O.* No. 12)
12046	β 178	*Aquarii* 252	48 57	− 5 38	324.6	obl.	6.0... 8.0	1875.37	Δ 3	
12047	A 190	A. G. Bonn 17220	49 3	46 45	199.9	0.52	9.0... 9.5	1900.98	A 2	(*Bul. L. O.* No. 3; *A. N.* 3741)
12048	H 3153	....	49 13	0 8	28.5	10±	10 ...15	1830+	H	
12049	H 303	....	49 14:	12 16:	20±	10±	11 ...12	1820+	H	
12050	H 1830	....	49 14	55 1	83.4	8±	10 ...10–11	1828+	H	
12051	β 1010	L 44832	49 17	− 6 13	136.5	1.21	8.5... 8.9	1881.85	β 2	
12052	β 772	δ *Piscis Australis*	49 18	−33 11	235.8	4.91	5.0...11.0	1881.84	β 5	
12053	H 974	DM (4°) 4921	49 20	4 11	92±	20±	10 ...12	1820+	H	
12054	Ku 66	DM (32°) 4546	49 21	32 27	3.0	3.86	9.9...10.1	1901.59	Ku 3	Kustner (3821)
12055	Hu 495	SD (14°) 6368	49 35	−14 23	185.3	0.28	9.0... 9.6	1901.82	Hu 3	(*Bul. L. O.* No. 21)
12056	Σ 2956 *rej.*	DM (0°) 4942	49 44	0 42	162.1	20±	9 ...10	1830+	H	Measures from H (V)
12057	Hu 785	DM (50°) 3872	49 49	50 52	261.7	0.25	9.4... 9.8	1902.53	Hu 1	
12058	β 383	L 44855	49 57	8 49	118.7	2.58	8.0...12.7	1891.80	β 3	A and B
					239.0	15.43	...12.4	1891.80	β 3	A and C
12059	β 848	DM (57°) 2639	49 58	57 44	5.8	2.77	8.4...12.8	1881.67	β 3	
12060	β 712	DM (58°) 2508	49 58	58 36	291.6	1.02	9.0... 9.5	1877.58	β 1	
12061	H 975	W^2 XXII^h. 1133	50 9	35 43	247.5	45±	6 ... 9	1820+	H	*White: red*
12062	H 1831	....	50 20	42 25	91.5	10±	10 ...11	1828+	H	
12063	Σ 2957	DM (16°) 4838	50 26	16 49	226.8	4.73	8.6...10.4	1832.25	Σ 5	
12064	H 3155	SD (21°) 6331	50 44	−21 48	10.0	15±	9–10...20	1830+	H	
12065	Σ 2958	*Pegasi* 263	50 52	11 12	6.8	3.91	7.2... 9.5	1831.18	Σ 3	
12066	H 976	....	50 54	31 12	80±	5±	11 = 11	1820+	H	
12067	A 416	A. G. Bonn 17256	50 54	42 9	8.1	0.38	9.2... 9.7	1902.67	A 2	(*Bul. L. O.* No. 29)
12068	Σ 2960	16 *Lacertae*	50 55	40 58	344.1	27.56	6.0...12.0	1831.78	Σ 2	A and B
					47.1	63.54	... 9.0	1831.78	Σ 3	A and C 6.0 *very wh.*
					252.7	....	....	1831.78	Σ 2	C and B
12069	Σ 2959	L 44872	50 55	− 3 53	96.7	15.66	6.5...10.5	1832.10	Σ 4	A and B 6.5 *wh.*
					94.1	10.18	...13.3	1891.82	β 3	B and C (BC = β 713)
12070	A 633	A. G. Hels. 13566	50 58	56 23	206.0	0.49	8.5...11.0	1903.72	A 2	(*Bul. L. O.* No. 50)
12071	See 478	α *Piscis Australis*	51 0	−30 15	36.2	29.98	1 ...14.8	1896.70	See 1	
12072	Σ 2963	DM (75°) 858	51 10	75 42	354.4	2.41	7.8... 8.5	1832.88	Σ 3	*White*
12073	H 5371	O. Arg. S. 22513	51 16	−26 44	346.4	5±	9 ...10	1834.6	H	
12074	Hu 397	DM (18°) 5075	51 40	18 40	263.0	1.13	9.1...11.7	1901.66	Hu 3	(*Bul. L. O.* No. 12)
12075	β 849	O. Arg. N. 24915	51 41	66 5	127.0	3.74	8.4...12.3	1881.53	β 4	
12076	Σ 2961	DM (62°) 2136	51 49	62 14	348.6	1.97	8.0... 8.0	1833.23	Σ 3	*White*
12077	Espin —	DM (64°) 1733	51 52	64 9	330.5	2.76	11 ...12	1902.73	Es 1	B and C
					110.8	16±	9–10... 9–10	1828+	H	A and B
12077½	H 5530	....	51 53	0 54	145±	20±	11 ...11	1827.9	H	
12078	β 452	L 44915	51 58	42 22	256.6	6.74	7.0...11.1	1880.71	β 2	
12079	A 634	A. G. Hels. 13590	52 0	59 3	300.9	2.02	8.0...12.0	1903.64	A 3	(*Bul. L. O.* No. 50)
12080	Σ 2965	Rad^1. 5897	52 2	72 12	217.9	3.09	8.3... 9.3	1832.56	Σ 3	8.3 *yel'sh wh.*
12081	H 977	....	52 4	0 45	275±	3±	14 ...15	1820+	H	"Two 10 m. stars 50″ *f*"
12082	H 3156	....	52 13	12 28	307.6	10±	10 ...11	1830+	H	"A neb. close to it *np*"
12083	H 1832	DM (37°) 4734	52 13	38 2	79.9	8±	10 ...10+	1828+	H	
12084	Ho 484	W^2 XXII^h. 1175	52 16	20 6	100.4	3.08	8.0...12	1893.08	Ho 3	A and B
					215.3	41.08	...12.5	1891.76	Ho 1	A and C
12085	A 191	A. G. Bonn 17286	52 20	44 16	225.0	2.50	9.0...12.0	1900.85	A 2	(*Bul. L. O.* No. 3; *A. N.* 3741)
12086	O. Stone 58	SD (9°) 6093	52 20	− 9 6	132.5	2.46	7.0... 8.0	1880.56	Cin 1	(Cin^6). 8.8 m. in SD (See p. 1085)
12087	H 3157	....	52 26	53 42	....	....	....	1830+	H	"In a cluster"
12088	OΣ 484	Rad^1. 5898	52 28	72 12	117.7	0.36	7.1... 8.0	1846.42	OΣ 2	A and B
					255.4	30.72	...11.0	1855.56	OΣ 2	AB and C
12089	H 1834	DM (29°) 4824	52 29	29 43	168.4	18±	9 ...11	1828+	H	A and B
					179.0	30±	...10	1828+	H	A and C
12090	OΣ 536	B. A. C. 8001	22 52 30	8 43	332.8	0.40	7.0... 7.5	1852.67	OΣ 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12091	OΣ (App) 241	DM (11°) 4910, 4911	22^h 52^m 33^s	11°25′	160°.7	84″.79	7.2... 7.6	1875.91	Δ 4	
12092	Σ 2962 *rej.*	L 44927	52 44	− 8 51	210±	16±	9 ...11	1823+	H	
12093	H 1835	DM (23°) 4648	52 49	23 15	302.1	10±	10 ...10–11	1828+	H	
12094	OΣ 483	52 *Pegasi*	53 12	11 5	180.8	0.94	6.2... 7.7	1845.28	OΣ 2	*Wh.: red*
12095	Σ 2967	DM (26°) 4540	53 12	27 6	6.8	6.67	8.2... 9.8	1831.30	Σ 3	8.2 *yel'sh wh.*
12096	Barnard 18	2 *Piscium*	53 18	0 19	93.6	3.81	6.0...13.7	1889.57	β 3	
12097	Σ 2964	W^1 XXII^h. 1087	53 29	− 5 0	282.2	9.02	7.7... 9.5	1829.38	Σ 2	7.7 *wh.*
12098	A 192	A. G. Bonn 17310	53 38	45 38	240.3	0.54	9.0...10.8	1900.92	A 3	
12099	H 1836	O. Arg. N. 24963	53 44	50 40	241.8	12±	9 ...11	1828+	H	
12100	H 1837	DM (29°) 4828	53 46	29 27	347.4	10±	10 ...13–14	1828+	H	8.9 m. in DM
12101	Hn 55	W^2 XXII^h. 1210	53 55	39 38	191.7	1.82	9.1...10.1	1881.58	β 3	
12102	H 1838	O. Arg. N. 24973	53 59	66 27	90±	1±	11 = 11	1828+	H	
12103	Ho 192	W^2 XXII^h. 1211	54 3	29 26	30.8	1.62	8.5... 9.5	1884.87	Ho 2	
12104	Hn 56	DM (41°) 4656	54 11	41 11	125.2	0.93	8.4... 8.5	1881.43	β 4	
12105	Σ 2971	DM (77°) 879	54 12	77 51	5.2	5.34	7.3... 8.5	1832.88	Σ 3	*Yel'sh: ash*
12106	β 850	L 44985	54 22	13 13	119.8	3.05	8.1...10.6	1881.57	β 3	
12107	A 785	A. G. Chris. 3704	54 24	69 12	25.4	1.14	9.0... 9.5	1904.52	A 1	
12108	β 179	O. Arg. S. 22553	54 26	−22 54	115.7	13.35	8.4... 9.2	1878.10	Cin 3	
12109	H 1839	DM (40°) 4965	54 52	40 29	293.5	15±	9–10...12	1828+	H	"Small star dusky *red,*"
12110	H 3158	DM (69°) 1292	54 56	70 7	45±	½±	....	1830+	H	8.3 m. in DM (See p. 1085)
12111	Σ 2968	*Pegasi* 273	54 58	30 26	90.4	3.35	7.0... 9.5	1832.32	Σ 4	7.0 *wh.*
12112	H 1840	O. Arg. N. 24980	54 58	47 44	298.4	14±	9 ...11	1828+	H	
12113	Σ 2969	DM (25°) 4861	55 18	26 8	34.6	4.00	8.0... 9.9	1831.92	Σ 4	8.0 *wh.*
12114	Hd 174	....	55 44:	−22 32:	15±	5±	9 ...11	1868.84	Hd	
12115	β 1011	Lac. 9343	55 53	−37 4	301.7	2.16	7.2...10.5	1881.85	β 3	
12116	A 193	A. G. Bonn 17355	56 0	46 0	178.4	1.33	8.9... 9.1	1900.93	A 3	
12117	Σ 2970	W^1 XXII^h. 1149	56 6	−11 57	35.3	8.42	8.5... 9.0	1829.87	Σ 2	
12118	β 384	*Aquarii* 265	56 14	−19 10	72.2	1.27	7.2... 9.2	1877.14	Δ 3	
12119	β 481	W^1 XXII^h. 1162	56 23	−11 53	51.8	1.30	9.0... 9.5	1878.19	β 2	
12120	Hu 398	DM (17°) 4853	56 28	17 58	321.6	0.44	8.7... 9.0	1901.66	Hu 3	(*Bul. L. O.* No. 12)
12121	Σ 2972 *rej.*	DM (−0°) 4451	56 34	− 0 23	198.0	12±	9–10...14	1830+	H	
12122	A 194	A. G. Bonn 17365	56 34	47 21	97.7	0.18	8.0... 8.0	1900.94	A 4	
12123	A 635	A. G. Hels. 13657	56 37	60 2	223.5	0.77	8.0...10.3	1903.62	A 3	(*Bul. L. O.* No. 50)
12124	H 3160	....	56 47	−16 11	46.4	6±	12 = 12	1830+	H	"A third star 20′ *f*"
12125	β 1147	2 *Andromedae*	57 5	42 7	317.8	0.28	5.0... 8.7	1889.54	β 3	
12126	H 3162	O. Arg. N. 25043	57 12	74 15	311.4	15±	9 ...15	1830+	H	
12127	H 3161	....	57 14	6 14	243.1	6±	11 ...14	1830+	H	
12128	Σ 2973	L 45104	57 16	43 25	40.7	7.44	7.3...10.5	1831.45	Σ 3	7.3 *wh.*
12129	H 1841	DM (45°) 4126	57 27	45 31	345.8	15±	9 ... 9+	1828+	H	A and B } 8.6 m. in DM
					285.8	24±	... 9–10	1828+	H	A and C
12130	OΣ 485 *rej.*	Rad^I. 5933	57 34	54 35	52.4	21.77	6.0... 9.2	1866.99	Δ 3	6.0 *wh.*
12131	β 851	O. Arg. N. 25054	57 36	75 29	158.0	1.69	7.5...13.0	1881.67	β 3	
12132	H 1843	....	57 41	56 40	103.0	6±	11 = 11	1828+	H	
12133	A. G. 289	DM (22°) 4769	57 56	22 31	48.6	1.93	9.2... 9.2	1901.70	Hu 3	
12134	H 1842	β *Pegasi*	57 56	27 26	204.1	80±	2 ...16–17	1828+	H	
12135	Ho 193	W^2 XXII^h. 1301	57 57	29 16	169.1	2.83	7.2...11.2	1883.83	Ho 3	
12136	H 1844	....	58 3	73 50	70.5	13±	11 ...12	1828+	H	
12137	H 3163	DM (53°) 3064	58 15	53 20	171.7	12±	9 ...11	1830+	H	
12138	OΣ 486 *rej.*	Rad^I. 5940	58 26	59 48	275.8	33.91	6.2... 8.8	1866.99	Δ 3	*Wh.: blue*
12139	A 195	A. G. Bonn 17401	58 40	47 56	27.4	1.58	8.5...11.5	1900.94	A 4	
12140	Arg. 45	O. Arg. N. 25069	58 48	45 58	16.8	3.32	8.5... 9.5	1879.57	Cin 1	
12141	H 1845	DM (60°) 2474	58 50	60 12	8±	10±	9 ...14	1828+	H	A and B }
					35±	14±	...13	1828+	H	A and C }
12142	H 3164	L 45137	58 52	−17 44	136.5	30±	6 ...12	1830+	H	
12143	A 417	83 and 84 *Aquarii*	22 58 53	− 8 20	61.0	0.19	6.0... 6.0	1902.64	A 4	A and B }
					146.0	262.11	5.6... 7.0	1835.77	Σ 5	AB and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12144	**OΣ 487**	**B. A. C.** 8048	22^h 59^m 10^s	80° 8′	209°0	0″20	7.2... 8.6	1891.10	β 5	
12145	**H 3165**	**DM** (5°) 5129	59 16	6 6	35.2	5±	10–11..12	1830+	H	
12146	**Howe 62**	**W^1 XXII^h**. 1223	59 16	− 4 54	213.9	3.84	8.0...10.0	1879.63	Cin 1	
12147	**Σ 2974**	**W^2 XXII^h**. 1328	59 18	32 44	159.7	2.83	8.0... 8.0	1831.69	Σ 4	*Very wh.*
12148	**H 3167**	....	59 21	71 52	128.3	5±	11 ...13	1830+	H	
12149	**Ho 485**	**W^1 XXII^h**. 1229	59 23	3 29	46.1	5.40	8.5...10.7	1892.74	Ho 2	(*A. N.* 3234)
12150	**H 1846**	....	59 47	50 39	171.8	8±	11 = 11	1828+	H	
12151	**A 196**	**A. G. Bonn** 17423	23 0 3	46 4	324.0	0.48	8.5... 9.0	1900.92	A 3	
12152	**H 3166**	....	0 4	−22 29	147.0	3±	13 = 13	1830+	H	
12153	**A 636**	**A. G. Hels.** 13726	0 8	57 36	77.0	0.76	8.0...12.0	1903.64	A 3	(*Bul. L. O.* No. 50)
12154	**β 773**	*υ Gruis*	0 12	−39 32	....	....	5.7...	1879	β	
12155	**H 5384**	**SD** (15°) 6346	0 18	−15 31	....	Cl. III	8½... 9	1834+	H	
12156	**Kr 62**	**A. G. Hels.** 13727	0 24	62 45	323.8	5.10	9.0... 9.1	1890.76	β 1	
12157	**H 1847**	....	0 25	57 47	52.0	3±	11 ...11+	1828+	H	
12158	**Espin 107**	**DM** (49°) 4038	0 26	49 28	216.6	4.5	8.8...11.0	1901	Es	(*A. N.* 3784) (See p. 1086)
12159	**H 978**	**SD** (4°) 5822	0 29	− 4 51	290±	9±	9 ...11	1820+	H	
12160	**Ho 194**	**L** 45208	0 34	41 9	59.9	0.3±	7.0... 9.3	1885.84	Ho 2	
12161	**H 3168**	**DM** (5°) 5134	0 38	6 1	350.1:	15±	9–10...13	1830+	H	
12162	**H 3169**	....	0 49	−21 20	213.3	5±	11 = 11	1830+	H	
12163	**Σ 2975** *rej.*	**DM** (32°) 4584	0 56	32 23	287.6	30.29	9.2... 9.2	1902.61	β 2	
12164	**Ho 195**	**W^2 XXII^h**. 1372	1 2	30 2	356.8	3.77	8.4...10.5	1884.14	Ho 3	
12165	**OΣ (App) 242**	**Rad^1**. 5954	1 5	46 17	31.2	79.85	7.2... 8.0	1876.14	Δ 3	
12166	**H 1848**	....	1 6	42 19	293.6	3±	16 ...17	1828+	H	
12167	**H 3172**	....	1 15	54 14	187.8	12±	10 = 10	1830+	H	
12168	**Hu 94**	**SD** (10°) 6064	1 27	−10 19	246.7	4.49	8.5...12.8	1899.66	Hu 3	(*A. J.* 480)
12169	**Σ 2977**	**DM** (60°) 2479	1 29	60 48	335.1	2.19	6.8...10.7	1833.23	Σ 2	6.8 *yel.*
12170	**OΣ 488** *rej.*	**W^2 XXII^h**. 1377	1 31	19 56	334.9	13.45	7.0...10.7	1865.88	Δ 2	
12171	**β 1025**	**L** 45242	1 38	12 1	268.6	0.77	8.0...10.8	1891.57	β 3	A and B
					84.3	22.16	...11.9	1891.57	β 3	A and C
12172	**Σ 2976**	**DM** (5°) 5135	1 38	5 57	262.1	7.94	8.3...10.2	1828.43	Σ 3	A and B 8.3 *yel'sh*
					177.7	15.89	... 8.8	1828.43	Σ 3	A and C
12173	**Σ 2978**	**P XXII^h**. 306	1 43	32 11	146.2	8.40	6.8... 8.0	1830.59	Σ 3	*Wh.: bluish*
12174	**H 3171**	**SD** (13°) 6345	1 44	−13 43	41.7	20±	9–10...10	1830+	H	
12175	**H 1850**	....	2 6	55 32	132.2	3½±	11 = 11	1828+	H	"Neat"
12176	**β 78**	**W^2 XXII^h**. 1393	2 9	30 49	55.0	17.22	7.2...11.0	1879.57	β 1	A and B
					61.9	48.07	...11.5	1879.57	β 1	A and C
12177	**β 180**	**O. Arg. N.** 25161	2 9	60 11	176.8	0.57	7.5... 8.0	1875.08	Δ 3	A and B
					106.3	34.30	...10.5	1875.54	Δ 2	AB and C
12178	**Σ 2979**	**W^2 XXII^h**. 1395	2 10	39 9	218.4	3.09	8.0...10.0	1831.92	Σ 4	8.0 *yel'sh*
12179	**H 1849**	4 *Andromedae*	2 10	45 44	347.0	50±	6 ...13	1828+	H	
12180	**H 979**	**W^2 XXII^h**. 1399	2 21	21 28	225±	12±	9 ...10	1820+	H	
12181	**Ho 196**	**DM** (29°) 4868	2 33	29 49	289.6	1.54	8.0...11.0	1883.54	Ho 3	
12182	**Ho 620**	**DM** (23°) 4683	2 42	23 36	101.1	12.38	8.1...12	1895.83	Ho 2	(*A. N.* 3558)
12183	**Σ 2980**	**SD** (8°) 6034	2 58	− 7 58	107.9	4.15	7.2...10.2	1831.08	Σ 4	7.2 *yel.*
12184	**Σ 2984**	**DM** (69°) 1307	2 58	70 1	294.6	4.66	7.5...10.0	1832.57	Σ 4	7.5 *very yel.*
12185	**Σ 2981**	**L** 45303	3 13	− 9 29	112.4	3.61	8.8... 8.8	1830.51	Σ 3	
12186	**Ho 487**	**L** 45320	3 26	18 6	116.9	17.40	6.7...12.5	1892.35	Ho 2	(*A. N.* 3234)
12187	**A 311**	**SD** (4°) 5833	3 26	− 4 37	128.4	1.40	8.5...10.7	1901.96	A 3	
12188	**Σ 2982**	57 *Pegasi*	3 28	8 2	198.1	32.56	5.9...10.5	1831.06	Σ 4	5.9 *golden*
12189	**H 3173**	....	3 31	−20 30	50.3	10±	10 = 10	1830+	H	
12190	**H 304**	**DM** (9°) 5168	3 33	10 5	162.4	15±	9–10...11	1820+	H	*Yellow: blue.*
12191	**Σ 2983** *rej.*	**DM** (14°) 4937	3 41	14 33	....	III–IV	8 ...10	....	Σ	From H (V)
12192	**Hu 57**	**DM** (50°) 3962	3 49	50 53	295.8	2.46	8.7...10.3	1881.51	β 3	
12193	**H 3174**	**W^1 XXIII^h**. 22	3 53	− 8 43	16.8	3±	10 ...10+	1830+	H	
12194	**H 5531**	....	3 57	35 47	55±	4±	12 = 12	1827.9	H	
12195	**Σ 2986**	**DM** (13°) 5059	23 3 59	13 47	273.9	31.62	6.5... 9.3	1829.80	Σ 3	6.5 *wh.*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12196	OΣ 489	*π Cephei*	$23^h\ 4^m\ 5^s$	74°44′	351°.4	1″.15	5.2... 7.5	1846.48	OΣ 2	*Very yel.: purple*
12197	H 1851	DM (69°) 1308	4 18	69 26	348.5	5±	10 ...11	1828+	H	8.5 m. in DM
12198	S 825	W^2 XXIII^h. 34	4 21	36 12	320.0	65.33	6½... 7	1825.70	S 2	
12199	H 5386	Cord. DM (25°) 16312	4 23	−25 57	80±	10±	10 ...10	1836.7	H	"P est. from diagram"
12200	Σ 2985	DM (47°) 4059, 4058	4 26	47 19	252.1	15.00	7.0... 8.0	1832.39	Σ 5	*Yel'sh wh.: bluish*
12201	β 385	W^2 XXIII^h. 40	4 31	31 50	135.8	0.42	7.1... 7.9	1876.40	Δ 6	A and B
					77.1	58.05	... 9.0	1876.72	Δ 2	AB and C
12202	S 823	2 *Cassiopeiae*	4 37	58 41	163.3	166.68	6 ... 9	1824.70	S 2	
12203	A 637	A. G. Hels. 13796	4 38	60 3	322.4	1.13	9.0...10.0	1903.60	A 3	(*Bul. L. O.* No. 50)
12204	Σ 2987	DM (48°) 3952	4 49	48 22	166.0	3.45	7.3...10.2	1832.43	Σ 3	7.3 *yel'sh*
12205	β 852	*Pegasi* 306	4 51	25 52	282.6	58.55	7.0...	1881.61	β 3	A and B
					11.2	1.20	10.8...11.3	1881.62	β 3	B and C
12206	A 786	A. G. Chris. 3739	4 53	69 33	149.7	1.39	8.6...12.0	1904.52	A 1	
12207	OΣ 490	Rad^I. 5985	4 57	56 48	308.5	1.36	7.2... 9.2	1846.80	OΣ 2	
12208	H N. 88	....	5 ±	− 7 30±	....	....	....	1792	H	
12209	H 1853	....	5 4	44 13	265.4	15±	8–9...12	1828+	H	
12210	H 980	W^1 XXIII^h. 48	5 8	4 21	185±	70±	....	1820+	H	A and B
					40±	3±	....	1820+	H	B and C
12211	H 1854	....	5 20	28 50	267.0	8±	11 ...17	1828+	H	
12212	H 3175	DM (53°) 3086	5 21	53 26	78.8	10±	9–10...11–12	1830+	H	(See p. 1086)
12213	Σ 2988	*Aquarii* 284	5 43	−12 35	281.0	3.73	7.2... 7.2	1830.89	Σ 3	*Yel'sh*
12214	Ho 197	W^2 XXIII^h. 69	5 44	37 34	110.6	0.44	8.0... 8.3	1885.81	Ho 2	A and B
					329.5	42.56	... 8.5	1885.81	Ho 1	AB and C
					281.3	47.30	... 8.5	1885.81	Ho 1	AB and D
12215	H 305	....	5 46:	−13 30:	96±	5±	11 ...11+	1820+	H	
12216	A. G. 290	A. G. Chris. 3744	6 11	65 15	265.5	15.02	9.0... 9.1	1891.62	β 2	
12217	H 1855	....	6 18	44 56	296.7	1½±	11 = 11	1828+	H	
12218	Hn 170	SD (22°) 6088	6 24	−22 35	277.7	1.46	9.3...10.3	1888.73	Com 3	
12219	See 479	O. Arg. S. 22672	6 39	−24 45	54.6	12.04	8.2...14.5	1897.42	See 2	
12220	A 197	A. G. Bonn 17540	6 40	44 10	160.2	0.49	8.1... 9.1	1900.79	A 6	
12221	Hu 496	SD (17°) 6700	6 44	−16 55	112.7	1.26	9.0...12.5	1901.74	Hu 2	(*Bul. L. O.* No. 21)
12222	H 3176	DM (11°) 4955	6 52	11 54	164.1	20±	9 = 9	1830+	H	8.7 m. in DM
12223	H 3177	....	6 53	9 54	170±	25±	8–9... 8–9	1830+	H	
12224	OΣ 492	Rad^I. 6002	7 8	81 56	230.2	8.97	7.3...11.0	1848.77	OΣ 3	7.3 *golden*
12225	Σ 2989	DM (19°) 5067	7 13	19 20	141.5	1.59	8.5... 9.9	1835.68	Σ 2	
12226	A 418	SD (9°) 6146	7 14	− 9 34	23.8	0.21	8.0... 9.0	1902.65	A 3	(*Bul. L. O.* No. 29)
12227	H 1856	....	7 18	55 5	326.8	4±	10–11..11–12	1828+	H	
12228	Σ 2990	DM (21°) 4900	7 23	21 26	69.1	1.61	8.5... 8.5	1831.12	Σ 3	*White*
12229	Σ 2992	W^2 XXIII^h. 99	7 24	39 21	286.4	13.75	7.5... 9.2	1830.45	Σ 4	7.5 *wh.*
12230	Σ 2991 *rej.*	DM (10°) 4902	7 24	10 25	359.7	33.52	7 ...10	1904.52	β 2	
12231	β 181	*Aquarii* 286	7 31	−14 3	309.2	1.51	7.1...10.4	1876.26	Δ 4	A and B
					234.9	18.78	...12.0	1877.74	β 1	A and C
12232	OΣ 491 *rej.*	P XXIII^h. 15	7 33	1 33	....	....	7 ...	....	....	
12233	A 198	A. G. Bonn 17555	7 35	45 45	170.2	0.56	9.2... 9.2	1900.93	A 3	
12234	Σ 2993	W^1 XXIII^h. 103	7 47	− 9 35	177.9	25.63	7.0... 7.8	1830.89	Σ 3	*White*
12235	A 199	A. G. Bonn 17559	7 48	45 24	277.2	1.98	8.4...11.5	1900.93	A 3	
12236	H 981	Lam. 9129	7 51	2 13	285±	10±	9 ...12	1820+	H	H (V) 282°.9: 12″±: 9–10...12
12237	β 714	B. A. C. 8084	7 56	− 3 17	145.5	0.57	7.0...10.0	1878.64	β 1	
12238	Ho 299	W^2 XXIII^h. 116	8 6	23 35	76.0	0.87	8.0...10.2	1887.77	Ho 2	
12239	H 1857	DM (56°) 2970	8 7	56 42	102.8	17±	9–10...10	1828+	H	
12240	H 3179	....	8 12	− 0 25	31.3	12±	11–12=11–12	1830+	H	
12241	H 3178	....	8 17	−21 46	126.4	8±	12 ...13	1830+	H	"Between two of 9–10 m."
12242	β 715	*Aquarii* 290	8 25	−11 20	256.0	3.35	7.0...11.5	1878.29	β 4	
12243	H 1860	O. Arg. N. 25307	8 28	62 1	14.9	6±	9 ...14	1828+	H	
12244	H 1858	DM (28°) 4554	8 30	29 4	89.0	20±	10 ...13	1828+	H	
12245	H 1859	W^2 XXIII^h. 131	23 8 32	29 7	118.2	25±	7 ...12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12246	**H 982**	**W^2 XXIII^h.** 127	23^h 8^m 34^s	19°47′	225° ±	25″ ±	7 ...18	1820+	H	A and B
					187 ±	30 ±	...17	1820+	H	A and C
12247	**H 983**	**W^2 XXIII^h.** 134	8 35	31 7	162 ±	15 ±	8–9... 9–10	1820+	H	
12248	**Σ 2996**	**Redhill** 3555	8 39	81 10	109.2	4.90	8.3... 8.7	1832.26	Σ 3	*White*
12249	**Hu 786**	**DM** (80°) 754	8 41	80 42	1.8	0.45	9.0...10.0	1904.48	Hu 1	
12250	**Hu 788**	**DM** (49°) 4070	8 42	49 21	178.5	0.23	9.2... 9.8	1902.53	Hu 1	
12251	**A 200**	**A. G. Bonn** 17584	9 0	40 37	92.0	0.28	8.2... 8.7	1900.72	A 4	
12252	**Hu 787**	**DM** (78°) 824	9 3	78 23	....	1 ±	9.0...10.0	1904	Hu	
12253	**A 787**	**DM** (68°) 1361	9 5	68 26	14.2	2.73	9.3... 9.4	1904.52	A 1	
12254	**A. G. 291**	**A. G. Lund** 11105	9 14	35 17	236.8	20.93	8.6...10.7	1902.52	β 2	A and B
					233.8	43.73	...10.2	1902.52	β 2	A and C
12255	**β 716**	....	9 15	− 9 43	208.6	1.70	9.5...10.5	1877.61	β 1	
12256	**A 201**	**A. G. Bonn** 17590	9 26	42 40	28.6	0.45	8.5...10.0	1900.75	A 3	
12257	**β 1220**	ψ^1 *Aquarii*	9 36	− 9 44	101.1	0.22	9.1... 9.2	1890.63	β 3	B and C
					312.2	49.63	4.5... 8.5	1836.66	Σ 4	A and BC 4.5 *very yel.*
					274.3	64.96	...13.5	1880.91	β 1	A and D 8.5 *blue*
					16.7	19.25	...12.5	1891.89	β 2	BC and E
12258	**H 1861**	....	9 46	54 23	266.2	10 ±	10–11..11	1828+	H	
12259	**Hu 597**	**SD** (18°) 6276	9 54	−18 23	128.5	4.98	8.8...10.8	1901.29	Hu 2	(*Bul. L. O.* No. 27)
12260	**See 481**	**Cord.** 23^h. 265	9 57	−27 0	140.4	3.12	8.0... 8.1	1897.71	See 1	
12261	**H 1862**	**DM** (26°) 4589	9 59	26 50	231.7	10 ±	8 ...11–12	1828+	H	
12262	**Hu 789**	**DM** (79°) 772	10 21	79 14	....	1.5 ±	9.0...11.0	1904	Hu	
12263	**H 1863**	....	10 21	48 21	241.0	5 ±	12 ...13	1828+	H	"Difficult to measure"
12264	**Hu 399**	**SD** (16°) 6250	10 22	−16 13	322.7	0.70	8.5...10.5	1901.11	Hu 3	(*Bul. L. O.* No. 12)
12265	**Σ 2995**	**SD** (2°) 5917	10 24	− 2 15	26.7	4.56	7.7... 8.0	1830.51	Σ 3	*White*
12266	**H 1865**	....	10 26	67 7	213.9	8 ±	11 ...11+	1828+	H	
12267	**H 3181**	**DM** (52°) 2405	10 27	52 19	18.7	25 ±	9 ...10–11	1830+	H	
12268	**A 638**	**A. G. Hels.** 13884	10 31	60 1	214.0	2.93	8.4...12.8	1903.62	A 3	(*Bul. L. O.* No. 50)
12269	**Weisse 39**	**W^1 XXIII^h.** 166	10 32	2 15	....	....	9 ...	....	....	
12270	**H 3182**	....	10 34	52 21	0.5	6 ±	11 = 11	1830+	H	
12271	**H 1864**	....	10 36	41 59	205.5	18 ±	9–10...10	1828+	H	
12272	**H 3180**	**DM** (9°) 5190	10 37	9 37	253.1	15 ±	9–10...12	1830+	H	
12273	**β 992**	**O. Arg. N.** 25354	10 48	63 28	170.5	0.41	8.0... 8.2	1880.59	β 5	
12274	**β 182**	**W^1 XXIII^h.** 175	10 52	−14 28	42.3	0.83	8.7... 8.9	1876.28	Δ 3	
12275	**Σ 2997**	**DM** (20°) 5303	11 4	20 45	223.1	24.40	8.5... 9.0	1831.74	Σ 2	*White*
12276	**β 79**	**L** 45585	11 24	− 2 10	115.3	1.03	7.9... 9.6	1876.35	Δ 4	A and B
					157.3	16.00	...16.5	1894.67	Bar 2	AB and C
12277	**Hu 497**	**W^2 XXIII^h.** 195	11 32	16 12	32.4	2.31	8.0... 9.0	1884.83	Ho 2	A and B
					241.0	0.35	9.5...10.0	1901.78	Hu 3	B and C
12278	**A 419**	**SD** (6°) 6184	11 34	− 6 13	210.7	1.23	8.8...10.5	1902.45	A 4	(*Bul. L. O.* No. 29)
12279	**β 853**	**O. Arg. N.** 25370	11 37	61 9	228.8	0.62	8.7... 8.7	1881.64	β 2	A and B
					67.3	7.34	...13	1881.67	β 1	AB and C
12280	**Hu 400**	**DM** (17°) 4891	11 40	17 39	249.1	0.32	7.4... 8.8	1901.78	Hu 3	(*Bul. L. O.* No. 12)
12281	**H 3183**	**SD** (2°) 5921	11 43	− 2 23	12.3	2 ±	11 = 11	1830+	H	"Neat"
12282	**Hu 598**	**SD** (17°) 6719	11 44	−17 0	131.7	1.31	8.8... 9.5	1901.41	Hu 3	(*Bul. L. O.* No. 27)
12283	**Hu 790**	**DM** (32°) 4618	11 56	32 36	302.8	1.05	8.0...12.5	1904.48	Hu 1	
12284	**H 5393**	**L** 45605	12 1	−25 39	312.7	15 ±	9 ...10	1836.7	H	
12285	**β 717**	8 *Andromedae*	12 11	48 22	161.4	7.55	5.0...13.0	1878.88	β 4	
12286	**Doo 21**	**DM** (59°) 2692	12 12	59 36	125.4	1.20	9.5...10.0	1900.70	Doo 1	(*Pub. Flower Obsy.* I)
12287	**Kr 64**	**A. G. Hels.** 13912	12 14	55 3	239.3	1.74	9.4... 9.5	1890.76	β 1	
12288	**Σ 2999** *rej.*	**DM** (4°) 4993, 4992	12 41	4 32	....	III, IV	9...8...8	....	Σ	
12289	**Ho 199**	95 *Aquarii*	12 43	−10 16	223.5	1.15	5 ...11	1884.85	Ho 1	
12290	**β 80**	**L** 45638	12 45	4 45	300.4	1.07	8.2... 9.1	1875.80	Δ 4	
12291	**H 1866**	....	12 47	12 45	160 ±	15 ±	....	1828+	H	
12292	**Σ 2998**	94 *Aquarii*	12 47	−14 7	345.1	13.37	5.2... 7.2	1830.90	Σ 3	*Yel'sh wh.: blue*
12293	**A 202**	**A. G. Bonn** 17640	23 12 48	46 36	255.8	2.42	7.7...10.2	1900.93	A 2	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12294	Σ 3000	DM (24°) 4749	$23^h\ 12^m 50^s$	24°33′	52°3	3″25	8.7... 8.8	1831.11	Σ 3	*White*
12295	H 1867	....	12 53	43 41	114.8	10±	10 ...11	1828+	H	
12296	H 5394	·96 *Aquarii*	13 10	− 5 47	26.3	10±	6 ...14	1836.7	H	
12297	H 307	....	13 19	12 47	329.0	15±	9–10...11	1820+	H	From H (IV)
12298	See 482	L 45658	13 19	−23 53	94.7	14.12	6.7...13.7	1897.73	See 1	
12299	OΣ 493	Rad^1. 6028	13 22	47 50	23.4	8.26	7.5...10.5	1847.22	OΣ 3	
12300	Σ 3003	Redhill 3576	13 22	82 47	269.9	23.54	8.5... 9.0	1832.26	Σ 3	*White*
12301	A 639	A. G. Bonn 17652	13 27	46 47	105.2	0.67	9.0... 9.7	1903.93	A 3	(*Bul. L. O.* No. 50)
12302	H 308	....	13 28	12 45	290±	15±	10 ...11	1820+	H	Place from H (IV)
12303	H 309	....	13 33	12 46	315±	10–12	11 ...12	1820+	H	Place from H (IV)
12304	Σ 3001	o *Cephei*	13 41	67 27	175.0	2.35	5.2... 7.8	1882.84	Σ 3	*Very yel.: very blue*
12305	OΣ (App) 244	Rad^1. 6035	14 3	47 43	304.9	78.89	6.0... 9.3	1875.64	Δ 3	
12306	H 1868	....	14 10	55 4	158.0	15±	10 ...12	1828+	H	
12307	H̶ VI. 61	....	14 14	4 44	....	60±	....	1781–2	H̶	A and B }
					....	60±	....	1781–2	H̶	B and C }
12308	β 229	L 45726	14 27	56 35	37.9	17.55	7.0...11.7	1876.68	Δ 2	
12309	H 3184	L 45704	14 38	−19 12	281.7	6±	8 ... 9–10	1830+	H	
12310	H 984	DM (30°) 4925	14 41	30 40	....	10±	9 ...11	1820+	H	
12311	Ho 488	L 45712	14 43	1 48	215.9	0.67	10 ...11	1890.93	Ho 2	B and C } 8.0 *yel'sh*
					201.7	4.04	8.0...10.2	1831.84	Σ 3	A and BC } AB = Σ 3002
12312	OΣ 494	W^2 XXIII^h. 278	14 52	21 18	83.6	3.34	7.4... 8.1	1850.33	OΣ 6	
12313	Σ 3004	B. A. C. 8135	15 3	43 28	177.7	13.13	6.5...10.0	1833.84	Σ 2	6.5 *very wh.*
12314	H 1870	O. Arg. N. 25454	15 13	73 16	280.4	12±	8 ...13	1828+	H	
12315	Hu 292	SD (21°) 6409	15 14	−20 57	37.3	0.42	8.5...11.5	1900.81	Hu 2	(*A. J.* 494)
12316	β 278	B. A. C. 8138	15 20	61 33	173.9	12.66	6.6...11.8	1890.64	β 3	
12317	Σ 3006	DM (34°) 4904	15 24	34 47	182.8	4.65	8.5... 9.0	1831.55	Σ 3	*White*
12318	Hu 95	SD (13°) 6390	15 34	−12 56	221.1	0.51	9.2...10.5	1899.73	Hu 3	(*A. J.* 480)
12319	Hu 293	SD (17°) 6737	15 35	−17 22	293.2	1.00	9.0...10.5	1900.74	Hu 2	(*A. J.* 494)
12320	H 3185	....	15 36	8 14	160±	....	14 ...14	1830+	H	
12321	Espin —	DM (61°) 2430	15 36	61 45	....	30±	8.0...11.5	1902	Es	A and B } (*M. N.*
					....	4±	...12.5	1902	Es	B and C } LXIV, 680)
12322	Σ 3005 *rej.*	W^2 XXIII^h. 291	15 37	24 17	21.8	18±	9 ...11	1828+	H	Measures from H (IV)
12323	H 3186	....	15 41	52 36	117.4	13±	9 ...11–12	1830+	H	
12324	H 1871	....	15 55	51 12	132.8	10±	10 ...12	1828+	H	
12324½	A 640	A. G. Hels. 13977	15 55	59 55	14.0	0.76	9.4... 9.6	1903.59	A 3	
12325	β 718	64 *Pegasi*	16 3	31 9	88.3	0.47	5.0... 8.7	1878.74	β 4	
12326	H 310	SD (13°) 6394	16 7	−13 38	315±	20±	10 ...11	1820+	H	
12327	H 1872	....	16 22	41 53	102.5	12±	12 ...13	1828+	H	
12328	Hu 294	DM (4°) 4999	16 22	4 50	140.9	1.89	8.8...13.2	1900.68	Hu 2	(*A. J.* 494)
12329	Hu 295	97 *Aquarii*	16 22	−15 42	84.4	0.37	5.5... 6.8	1900.74	Hu 2	(*A. J.* 494)
12330	H 3187	....	16 36	5 48	257.6	12±	10 ...12	1830+	H	
12331	Hd 175	98 *Aquarii*	16 40	−20 45	359.9	....	....	....	Hd	
12332	Σ 3007	B. A. C. 8147	16 46	19 54	79.2	5.69	6.5... 9.5	1829.83	Σ 3	6.5 *wh.*
12333	H 1873	O. Arg. N. 25485	16 46	55 25	64.4	7±	9 ...11	1828+	H	8–9 m. in O. Arg.
12334	Hu 296	SD (17°) 6742	16 56	−17 12	191.2	4.09	8.9...11.5	1900.74	Hu 2	(*A. J.* 494)
12335	Ho 300	66 *Pegasi*	17 1	11 39	312.1	0.3±	5 ... 5	1889.85	Ho 1	
12336	H 3188	DM (11°) 4994	17 8	11 47	....	12±	9 ...11	1830+	H	"A very neat double star"
12337	H 3189	B. A. C. 8152	17 23	− 0 22	130.3	50±	6–7...12	1830+	H	
12338	H 5397	O. Arg. S. 22808	17 24	−15 8	330.0	61.76	7 ... 9	1835.76	H 1	
12339	H 3191	DM (80°) 763	17 25	80 47	43.5	18±	9–10...13	1830+	H	
12340	Σ 3008	P XXIII^h. 69	17 32	− 9 7	273.3	7.54	7.0... 8.0	1830.39	Σ 3	*Yel'sh: ashy*
12341	H 1874	....	17 38	− 7 51	310.0	8±	11 ...12	1828+	H	
12342	Howe 63	Cord. DM (27°) 16305	17 38	−27 56	266.9	6.20	7.2...10.5	1877.74	Cin 1	
12343	Σ 3010	DM (44°) 4399	17 45	45 8	132.4	25.33	8.0... 8.7	1831.82	Σ 3	*Yel'sh*
12344	Σ 3009	DM (2°) 4663	18 9	3 3	229.5	6.85	6.8... 8.8	1829.50	Σ 3	*Very yel.: blue*
12345	β 854	DM (5°) 5164	23 18 14	5 23	90.0	2.10	8.7... 8.7	1881.66	β 3	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12346	β 719	W^1 XXIII^h. 342	$23^h\ 18^m\ 22^s$	13°49′	10°.9	1′.11	8.0...11.0	1877.86	β 1	
12347	H 3190	....	18 27	5 37	258.2	10±	10 ...12	1830+	H	
12348	OΣ 495	B. A. C. 8158	18 41	56 53	310.4	0.56	7.3... 7.5	1846.57	OΣ 3	
12349	♅ VI. 25	....	18 42:	58 1:	....	Cl. V	....	1782.64	♅	A and B
					....	135±	....	1780.63	♅	A and C
12350	A 788	A. G. Bonn 17740	18 45	45 7	270.4	4.15	8.8...14.2	1904.45	A 2	
12351	H 5398	....	19 2	−17 54	....	Cl. III	....	1834+	H	Est. 10°: 12″: 10...10+ (1874)
12352	A 789	A. G. Chris. 3780	19 22	68 38	79.3	1.78	8.3... 9.0	1904.52	A 1	
12353	H 3192	SD (17°) 6749	19 27	−17 35	115.8	15±	9–10 = 9–10	1830+	H	
12354	♅ VI. 24	4 *Cassiopeiae*	19 30	61 37	....	120±	....	1780.61	♅	A and B
					....	105±	....	1780.61	♅	A and C
12355	H 1875	DM (51°) 3603	19 34	51 11	166.0	15±	10 ...11	1828+	H	
12356	Σ 3011	O. Arg. N. 25560	19 35	76 25	334.8	6.85	8.5... 8.8	1832.88	Σ 3	*White*
12357	See 484	O. Arg. S. 22832	19 40	−23 11	52.6	1.25	8 ...10.8	1897.66	See 1	A and B
					140.3	22.70	...12.8	1897.66	See 1	A and C
12358	H 985	....	19 40	2 51	142±	5±	11 ...13	1820+	H	
12359	A. G. 292	A. G. Leiden 9943	19 46	32 47	234.0	3.51	9.0... 9.5	1903.11	β 2	
12360	Hd 176	SD (23°) 2167	19 55	−22 5	48.9	4.45	8.5... 9	1868.82	Hd 1	
12361	H 3193	SD (12°) 6487	20 2	−12 18	212.1	30±	9 ...10	1830+	H	
12362	H 1876	DM (36°) 5064	20 2	36 10	210.1	5±	10 = 10	1828+	H	
12363	Ho 489	W^2 XXIII^h. 384	20 4	27 3	241.2	0.44	8.0... 8.0	1889.85	Ho 2	A and B
					194.5	63.14	7.0... 7.5	1875.34	Δ 3	AB and C
12364	Espin 108	DM (51°) 3606	20 4	51 59	243.1	2.0	9.1... 9.2	1901	Es	(*A. N.* 3784)
12365	H 1877	....	20 6	41 52	58.5	....	12 ...13	1828+	H	(See p. 1086)
12366	See 485	Lac. 9478	20 16	−22 24	130.9	5.60	6 ...12.3	1897.73	See 1	
12367	A 790	A. G. Bonn 17769	20 17	44 24	296.6	3.20	8.5...13.5	1904.45	A 2	
12368	Hu 297	SD (16°) 6291	20 41	−15 54	312.3	0.35	7.0... 9.0	1900.74	Hu 2	(*A. J.* 494)
12369	S 830	κ *Piscium*	20 46	0 36	344.9	150.09	5 ...12	1824.82	S 2	
12370	H 3194	....	21 5	−18 45	66.2	15±	11 ...11+	1830+	H	
12371	Weisse 40	W^1 XXIII^h. 392	21 5	0 28	....	....	8 ...	....	....	
12372	β 386	B. A. C. 8173	21 13	70 1	312.3	20.08	6.5...11.9	1876.97	Δ 4	
12373	H 986	DM (34°) 4928	21 16	34 40	280±	7±	10 ...12	1820+	H	
12374	H 1878	....	21 20	49 46	90.0	6±	11 = 11	1828+	H	"Very neat"
12375	H 1879	....	21 20	55 44	65±	15±	10 ...13	1828+	H	"Est. from diagram"
12376	H 1880	....	21 21	55 13	182.8	10±	10 ...12	1828+	H	
12377	O. Stone 59	L 45914	21 23	−27 20	215.9	1.58	8.2... 8.9	1877.78	Cin 2	
12378	Σ 3012	DM (15°) 4827	21 34	15 58	190.8	2.63	8.7... 8.8	1831.03	Σ 5	A and B
12379	Σ 3013	DM (15°) 4826	....	....	270.0	2.58	7.8... 9.3	1831.03	Σ 5	A^1 and B^1 *White*
					246.1	52.01	....	1831.33	Σ 4	A^1 and A
12380	H 1881	DM (55°) 2961	21 35	55 44	60±	5±	10 ...14	1820+	H	"Est. from diagram"
12381	Σ 3014	DM (10°) 4938	21 52	10 29	281.3	7.24	8.1...10.4	1830.86	Σ 5	8.1 *wk.*
12382	H 1883	....	21 55	45 44	154.6	15±	9 ... 9+	1828+	H	
12383	H 1882	DM (38°) 5008	21 57	38 45	306.0	10±	9–10...14	1828+	H	
12384	OΣ (App) 246	W^2 XXIII^h. 435	21 58	22 55	112.3	89.43	7.3... 8.2	1875.43	Δ 3	
12385	β 1148	Groom. 4070	22 2	64 58	73.9	2.13	7.1...13.0	1889.60	β 3	
12386	Σ 3015	W^2 XXIII^h. 442	22 10	32 54	191.1	2.97	8.7... 8.8	1832.12	Σ 3	*White*
12387	♅ V. 48	DM (5°) 5175, 5174	22 10	5 25	....	45±	....	1781.77	♅	
12388	β 1221	DM (41°) 4788	22 12	41 46	145.2	1.91	9.3...10.5	1890.50	β 3	
12389	H 1884	DM (49°) 4129	22 15	49 31	251.3	12±	9–10...10	1828+	H	8.8m. in DM
12390	β 1222	DM (2°) 4669	22 23	2 54	37.4	1.14	8.9... 9.0	1890.82	β 3	
12391	Σ 3016	SD (7°) 6024	22 47	− 7 18	320.1	20.42	8.5... 9.5	1829.91	Σ 3	
12392	Σ 3017	*Cephei* 287	22 54	73 27	35.4	2.43	7.1... 8.2	1832.16	Σ 5	*White*
12393	H 311	....	22 57:	16 40:	315±	10±	....	1820+	H	
12394	H 3195	....	23 4	0 9	94.4	18±	10 ...11	1830+	H	
12395	A 109	DM (42°) 4685	23 18	42 44	313.8	0.70	9.3... 9.8	1900.55	A 3	(*A. N.* 3668)
12396	A 420	A. G. Camb. 14122	23 23 29	25 37	284.5	0.45	9.2... 9.2	1902.89	A 2	(*Bul. L. O.* No. 29)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12397	**Hu 599**	O. Arg. S. 22868	$23^h 23^m 37^s$	−21°14′	85°4	0″40	8.5... 8.8	1901.44	Hu 3	A and B
					20.8	16±	9 ...10	1830+	H	AB and C
12398	**H 987**	DM (31°) 4921	23 44	31 34	275±	12±	8 ...11	1820+	H	
12399	**Ho 621**	L 46002	23 45	37 59	1.1	25.63	7.8...12	1894.82	Ho 2	(*A. N.* 3558)
12400	**H 3197**	SD (18°) 6319	23 51	−17 57	314.0	5±	10 ...10+	1830+	H	
12401	**H 1885**	O. Arg. N. 25643	23 51	51 1	220±	....	8–9..12..13	1828+	H	"Three in a straight line"
12402	**β 1149**	DM (57°) 2746	24 11	57 49	309.1	0.52	9.4... 9.8	1889.58	β 3	
12403	**Ho 200**	Rad^1. 6099	24 19	85 45	137.7	1.73	6.5...12	1885.83	Ho 2	
12404	**β 1266**	DM (30°) 4963	24 29	30 10	74.0	0.24	7.4... 7.4	1891.69	β 3	A and B 7.2 *wh.* AC= Σ 3018
					204.0	18.92	7.2... 9.5	1830.52	Σ 2	AB and C
12405	**OΣ 496**	P XXIII^h. 100	24 29	57 53	344.6	1.37	6.5...10.9	1881.16	β 4	A and B
					223.1	1.44	8.2... 9.8	1881.16	β 6	C and D
					269.0	75.78	....	1881.23	β 5	A and C
					114.7	43.53	...10.5	1880.65	β 3	A and E
					338.5	66.91	...10.5	1880.65	β 3	A and F
					74.4	10.85	...10.5	1880.64	β 3	F and G
					337.1	26.87	...11.6	1880.65	β 3	C and H
12406	**Σ 3019**	W^1 XXIII^h. 461	24 34	4 35	185.3	10.68	7.1... 8.1	1832.04	Σ 5	*White*
12407	**β 1150**	O. Arg. N. 25672	24 46	64 24	44.0	0.61	8.7... 9.0	1889.60	β 3	
12408	**OΣ 497**	L 46042	24 50	8 49	213.1	1.28	7.9... 8.6	1849.09	OΣ 4	
12409	**Σ 3020**	W^2 XXIII^h. 507	25 4	18 7	111.0	1.73	7.7... 9.7	1831.89	Σ 3	7.7 *wh.*
12410	**β 1151**	....	25 6	57 43	293.7	0.64	9.7... 9.7	1889.59	β 3	
12411	**Σ 3022**	DM (57°) 2752	25 9	57 45	226.7	20.49	8.0... 9.7	1832.15	Σ 2	A and B 8.0 *yel.*
					189.7	116.88	... 9.5	1889.58	β 3	A and C
12412	**β 774**	DM (63°) 2006	25 19	63 40	6.7	0.51	8.4... 8.8	1880.58	β 3	
12413	**Σ 3021**	W^2 XXIII^h. 481	25 21	15 33	308.9	8.31	7.7... 8.9	1830.52	Σ 4	*Wh.: asky*
12414	**H 3198**	....	25 33	9 41	98.0	5±	11 ...12	1830+	H	
12415	**OΣ 498** *rej.*	DM (51°) 3630	25 38	51 45	243.7	17.04	7.2...10.0	1866.97	Δ 3	
12416	**H 1890**	....	25 52	69 15	227.8	6±	11 ...12	1828+	H	
12417	**H 3199**	Cord. DM (27°) 16346	25 53	−27 23	204.9	35±	8 ...10	1830+	H	
12418	**H 1889**	DM (37°) 4861	26 4	37 39	238.2	20±	7–8...15	1828+	H	A and B
					58.2	25±	...15	1828+	H	A and C
12419	**Hu 298**	DM (6°) 6158	26 6	6 25	94.6	0.17	6.8... 7.4	1900.76	Hu 3	(*A. J.* 494)
12420	**Σ 3024**	DM (43°) 4482	26 13	43 10	311.6	4.87	8.2... 9.0	1830.46	Σ 3	*White*
12421	**Espin 109**	DM (53°) 3182	26 16	53 21	47.3	5.6	8.6...10.7	1901	Es	(*A. N.* 3784)
12422	**H 312**	....	26 16:	11 49:	90±	10±	10 ...11	1820+	H	"The degree of decl. perhaps mistaken"
12423	**Σ 3023**	DM (16°) 4944	26 21	16 45	281.9	1.91	7.0... 9.7	1831.08	Σ 4	7.0 *yel'sh wh.*
12424	**A 421**	SD (8°) 6130	26 34	− 8 41	107.5	1.02	9.2... 9.4	1902.64	A 3	(*Bul. L. O.* No. 29)
12425	**Wn 6**	W^2 XXIII^h. 544	26 35	30 47	168.5	1.51	8.5...10.0	1863.85	Wn 2	
12426	**Hu 299**	SD (20°) 6612	26 42	−20 22	75.9	0.52	8.8... 8.9	1900.79	Hu 2	(*A. J.* 494)
12427	**A. G. 293**	DM (56°) 3022	27 6	56 51	21.2	3.91	9.2... 9.3	1900.93	Es 3	Espin (3717)
12428	**A 641**	Rad^1. 6111	27 37	56 45	79.9	9.50	7.2... 8.8	1847.50	OΣ 3	A and BC AB= OΣ 499
					146.6	0.42	9.0...10.8	1903.54	A 3	B and C
12429	**H 313**	....	27 40:	11 37	275±	12±	10 ...11	1820+	H	H (V) 277°3: 14″±
12430	**H 3200**	....	27 41	−20 14	139.8	12±	11 ...12	1830+	H	
12431	**Espin 110**	DM (48°) 4092	27 46	48 39	34.0	4.8	9.0...11.0	1901	Es	A and B
					333.0	16.2	...10.5	1901	Es	A and C
12432	**β 720**	72 *Pegasi*	28 0	30 40	127.7	0.40	6.0... 6.0	1878.74	β 3	
12433	**A 791**	DM (44°) 4442	28 1	44 28	352.4	1.01	9.5... 9.6	1904.45	A 2	
12434	**Σ 60, App. I**	DM (59°) 2746	28 1	59 47	210.6	247.15	6.4... 6.5	1835.86	Σ 6	*Yel.*
12435	**β 387**	L 46162	28 8	−10 22	71.6	5.73	8.7...10.2	1876.67	Δ 3	
12436	**H 3204**	DM (80°) 773	28 24	80 25	103.0	17±	9–10...14	1830+	H	"Also a third." 8.5 m. in DM
12437	**A 422**	A. G. Camb. 14159	28 28	26 3	301.8	4.34	8.6...13.6	1902.77	A 2	(*Bul. L. O.* No. 29)
12438	**Kr 65**	DM (58°) 2613	28 28	59 7	95.2	6.73	9.5... 9.7	1890.76	β 1	
12439	**H 5404**	Cord. DM (30°) 19607	28 36	−30 1	304.7	15±	10½ = 10½	1834.7	H	
12440	**H 3201**	SD (22°) 6151	28 45	−22 26	342.2	20±	10 ...12	1830+	H	
12441	**β 388**	W^2 XXIII^h. 590	23 28 52	37 22	334.7	21.77	6.5...12.0	1876.46	Δ 1	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12442	**H 3202**	L 46184	23^h 28^m 56^s	−19° 14′	250°.7	4″ ±	9 … 10	1830+	H	
12443	**β 81**	W^1 XXIII^h. 562	28 59	−12 14	10.5	1.53	8.3… 9.8	1876.08	Δ 3	
12444	**H 3203**	DM (10°) 4957	29 4	10 53	206.4	5±	10 …10–11	1830+	H	
12445	**H 1893**	….	29 11	46 20	251.7	5±	9–10…10	1828+	H	
12446	**H 314**	….	29 16:	12 29:	….	….	….	1820+	H	"Double: no particulars"
12447	**See 492**	Lac. 9527	29 20	−28 9	265.1	0.38	6.2… 8.1	1897.79	See 1	
12448	**H 3205**	SD (14°) 6497	29 36	−14 27	55.0	15±	10 …10	1830+	H	
12449	**Σ 3025** *rej.*	DM (2°) 4685	29 45	2 34	56.7	21.80	8.7…11.0	1904.53	β 2	
12450	**β 721**	W^1 XXIII^h. 592	30 7	− 7 47	138.2	0.51	9.0… 9.0	1878.22	β 1	
12451	**H 1894**	DM (50°) 4091	30 7	50 52	20.5	20±	9–10 = 9–10	1828+	H	"In a group of 6 or 8"
12452	**Hd 177**	….	30 9:	−22 7:	40±	9±	8.5… 9	1868.84	Hd 1	
12453	**Σ 3026**	DM (28°) 4605	30 19	28 14	275.9	3.21	8.8… 9.3	1831.17	Σ 3	
12454	**Σ 3027** *rej.*	DM (80°) 723	30 24	82 23	9.6	22±	9–10…11	1830+	H	From H (V)
12455	**Hu 791**	DM (48°) 4107	30 27	49 4	127.5	2.83	8.5… 8.5	1904.40	Hu 1	
12456	**β 775**	Lac. 9534	30 45	−32 32	251.0	5.35	7.2…10.5	1881.45	β 4	(=β 1012)
12457	**H 3206**	O. Arg. S. 22939	30 46	−22 20	352.9	2±	9 …10	1830+	H	
12458	**Hu 498**	DM (22°) 4874	30 47	23 6	4.9	0.41	9.2…11.0	1901.76	Hu 3	(*Bul. L. O.* No. 21)
12459	**Hn 58**	O. Arg. N. 25809	30 53	53 17	1.0	3.70	8.6…10.8	1881.55	β 3	
12460	**H 988**	….	30 54	19 36	240±	3±	10 …11	1820+	H	
12461	**Muller 2**	SD (12°) 6527	31 9	−12 13	299.4	3.16	8.8…10.3	1886.69	LM 3	
12462	**Ho 201**	DM (33°) 4744	31 12	33 59	341.5	3.59	8.0… 9.3	1883.31	Ho 2	
12463	**H 3207**	….	31 15	7 13	251.8	3±	13 …14	1830+	H	
12464	**H 1895**	….	31 21	55 54	108.3	3±	11 = 11	1828+	H	"Neat"
12465	**H 316**	*Aquarii* 355	31 27	−13 44	90±	60±	7 …11	1820+	H	*White: blue*
12466	**H 315**	DM (11°) 5033	31 28	11 56	67.5	15±	9–10…10	1830+	H	Measures from H (V)
12467	**H 3208**	DM (8°) 5094	31 35	8 50	157.8	10±	10 = 10	1830+	H	"Neat"
12468	**OΣ 500**	B. A. C. 8223	31 40	43 46	299.4	0.45	6.1… 7.0	1845.24	OΣ 2	*Wh.: blue*
12469	**See 493**	Cord. G. C. 31963	31 52	−25 53	206.4	36.46	7 …	1897.75	See 1	A and BC
					262.8	1.75	11 …11	1897.75	See 1	B and C
12470	**H VI. 45**	….	32 :	42 36:	….	90±	….	1781.55	H	
12471	**Σ 3029**	DM (70°) 1328	32 5	71 2	317.7	4.64	8.5… 9.5	1833.23	Σ 3	*White*
12472	**H 317**	W^1 XXIII^h. 630	32 10	12 13	220±	10±	9 …12	1820+	H	A and B } H (IV) 230°.9: 12″ ±: 8–9…11
					275±	15–20	…13	1820+	H	B and C
12473	**A 642**	A. G. Hels. 14210	32 13	57 26	40.4	0.81	8.4…10.3	1903.71	A 3	(*Bul. L. O.* No. 50)
12474	**Hu 792**	DM (32°) 4677	32 16	32 10	188.8	0.31	9.0… 9.3	1904.47	Hu 2	
12475	**β 855**	DM (67°) 1546	32 23	67 33	204.2	0.82	8.5… 8.8	1881.53	β 4	
12476	**Ho 202**	W^2 XXIII^h. 673	32 29	39 49	135.3	2.57	8.3…11.8	1883.66	Ho 5	
12477	**β 722**	DM (41°) 4886	32 33	41 51	348.6	7.45	6.8…12.5	1878.53	β 1	
12478	**H 989**	….	32 34	32 46	275±	12±	….	1820+	H	Very small stars 11–12 m. (1876)
12479	**Σ 3028**	DM (34°) 4972	32 37	34 22	205.4	19.50	7.0 …9.5	1829.91	Σ 2	7.0 *wh.*
12480	**Espin 111**	DM (51°) 3677	32 40	52 1	11.2	3.6	8.8…11.2	1901	Es	(*A. N.* 3784) (See p. 1086)
12481	**H 5411**	SD (2°) 6005	32 46	− 2 46	32.7	15±	9½…10	1836.7	H	
12482	**H 5410**	Cord. DM (24°) 17785	32 48	−24 23	70±	8±	10 …12	1836.7	H	"The *f* and less of two"
12483	**Δ 26**	DM (43°) 4516	32 56	43 45	73.8	2.03	9.2…10.5	1872.67	Δ 2	
12484	**β 856**	O. Arg. N. 25859	33 3	69 58	266.0	0.58	8.1… 9.1	1881.55	β 2	
12485	**H 1896**	O. Arg. N. 25861	33 11	61 28	115.2	18±	6 …12	1828+	H	
12486	**Ho 203**	DM (34°) 4976	33 11	34 55	128.4	3.53	9.0…10.0	1881.80	Ho 3	
12487	**Comstock**	DM (43°) 4518	33 18	43 15	132.4	3.84	8.8…10.8	1887.76	Com 3	
12488	**A 643**	A. G. Bonn 18013	33 29	45 3	264.4	0.21	7.9… 8.0	1903.93	A 3	(*Bul. L. O.* No. 50)
12489	**H 990**	SD (5°) 6029	33 32	− 5 19	290±	22±	8–9…10	1820+	H	
12490	….	SD (5°) 6030, 6031	33 37	− 5 0	68.0	41.06	8.5…10.0	1879.63	Cin 1	
12491	**H 1897**	DM (66°) 1629	34 1	66 18	203.5	20±	10 …10–11	1828+	H	
12492	**OΣ 501**	L 46366	34 6	36 59	164.1	14.50	6.8…10.2	1847.77	OΣ 3	
12493	**Ho 302**	W^2 XXIII^h. 720	34 13	19 5	76.1	8.28	8.5…12.0	1887.37	Ho 2	B and C
					29±	60±	8.0…	1886.90	Ho	A and B
12494	**OΣ 502**	Rad^1. 6147	34 15	63 4	221.2	3.46	7.0…10.7	1848.24	OΣ 3	
12495	**Espin 149**	DM (63°) 2030	23 34 18	63 39	120.9	6.0	8.5… 8.7	1902	Es 2	(*M. N.* LXIII, 172)

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12496	Hu 794	DM (49°) 4185	23^h 34^m 22^s	49°13′	68°3	2″90	9.0...13.0	1904.40	Hu 1	
12497	H 1898	*κ Andromedae*	34 30	43 40	188.7	46.64	4 ...11.0	1879.24	β 3	A and B
					294.6	103.17	...11.0	1879.46	β 1	A and C
12498	β 723	L 46375	34 32	− 0 15	168.5	3.78	7.0...11.3	1878.25	β 4	
12499	Hu 793	DM (77°) 914	34 32	77 12	....	1.5±	9.0...11.0	1904	Hu	
12500	Σ 3030	DM (−1°) 4473	34 33	− 1 3	220.8	2.49	8.4... 8.6	1829.61	Σ 4	*White*
12501	Ho 303	W^2 XXIII^h. 737	34 45	19 42	184.3	0.92	8.0...11.0	1888.87	Ho 2	
12502	β 724	W^1 XXIII^h. 691	34 46	7 19	85.7	0.75	9.0... 9.5	1878.73	β 1	
12503	H 1899	DM (54°) 3024	34 49	54 33	261.4	12±	9 ...11	1828+	H	
12504	Hu 795	DM (32°) 4686	34 57	32 59	230.2	2.68	9.0...12.0	1904.47	Hu 2	
12505	β 857	DM (66°) 1630	34 58	66 53	296.9	1.39	8.5... 8.9	1881.53	β 4	
12506	Σ 3031	DM (5°) 5209	35 3	5 36	312.9	14.61	7.5... 8.5	1831.42	Σ 2	*Wh.*
12507	Weisse 41	W^1 XXIII^h. 696	35 7	− 5 5	....	....	....	....	....	
12508	A 423	SD (9°) 6232	35 12	− 9 17	166.5	1.76	8.9...10.5	1902.65	A 3	(*Bul. L. O.* No. 29)
12509	Σ 3032 *rej.*	L 46416	35 16	14 7	339.5	15±	9 ...12	1828+	H	
12510	β 858	L 46423	35 18	31 54	276.6	0.48	7.7... 8.2	1881.57	β 3	A and B
					51.0	23.66	...12.8	1881.62	β 3	AB and C
12511	H 5413	104 *Aquarii*	35 32	−18 29	....	Cl. V	5½... 7	1834+	H	
12512	H 991	DM (21°) 4973	35 37	21 47	345±	14±	9 ...10	1820+	H	
12513	H 1901	....	35 40	54 33	260.0	15±	10 ...11	1828+	H	
12514	H 992	....	35 43	31 7	260±	4±	10–11..11–12	1820+	H	
12515	Hd Zones	DM (0°) 5035	35 50	0 41	*sf*	30±	9 ...14	....	Hd	
12516	A 644	A. G. Bonn 18054	35 51	45 11	137.1	1.15	8.5...11.3	1903.93	A 3	(*Bul. L. O.* No. 50)
12517	OΣ 503	W^2 XXIII^h. 759	35 59	19 38	132.6	1.79	7.2... 7.8	1848.26	OΣ 5	
12518	H 1905	....	36 19	73 29	168.4	12±	10–11..12	1828+	H	A and B
					157±	10±	...12	1828+	H	B and C
12519	H 1902	DM (58°) 2633	36 22	59 5	294.5	10±	10 ...10	1828+	H	
12520	OΣ 504	B. A. C. 8427	36 27	18 0	174.9	7.69	7.2...10.0	1849.98	OΣ 5	
12521	H 1903	DM(49°)4195,4194	36 29	49 17	249.5	7±	9–10...10	1828+	H	
12522	H 1904	....	36 29	59 6	111.0	9±	10 ...11	1828+	H	
12523	β 279	*ω^2 Aquarii*	36 30	−15 12	87.8	5.68	5.0...11.0	1875.54	Δ 4	
12524	β 725	L 46464	36 36	−12 0	237.3	4.30	7.0...11.0	1877.82	β 2	
12525	β 993	*Cephei* 301	36 42	63 51	279.7	2.67	7.0...11.4	1880.75	β 4	
12526	H 3209	Cord. DM (29°) 18816	37 8	−29 53	268.5	8±	9–10...10	1830+	H	"Among several large stars"
12527	H 3210	SD (22°) 6179	37 9	−22 22	44.5	45±	8 ...10	1830+	H	
12528	Hu 697	DM (51°) 3693	37 13	51 35	122.0	0.46	9.5... 9.5	1903.46	Hu 2	(*Bul. L. O.* No. 57)
12529	β 994	L 46490	37 31	24 26	306.5	1.38	7.9...11.0	1880.63	β 4	
12530	H 1906	DM (61°) 2506	37 32	61 54	353.5	12±	10 ...11	1828+	H	
12531	Σ 3033	DM (6°) 5194	37 49	6 35	9.9	3.33	8.5... 8.5	1832.13	Σ 4	*Very wh.*
12532	A.G.Clark 14	78 *Pegasi*	37 57	28 42	192.0	1.45	5.0... 8.1	1876.59	Δ 4	
12533	Hu 796	DM (79°) 792	37 58	79 51	....	0.7±	9.5... 9.5	1904	Hu	
12534	A. G. 294	A. G. Chris. 3850	38 14	68 24	123.1	17.26	8.6... 9.0	1891.62	β 2	
12535	H 5417	L 46511	38 15	−26 55	326.9	8±	6½... 9½	1836.7	H	
12536	Espin 150	DM (64°) 1848	38 24	64 23	210.0	3.1	9.3...11.0	1902	Es 1	(*M. N.* LXIII, 172)
12537	Σ 3034	P XXIII^h. 171	38 36	45 43	103.8	5.35	7.8...10.0	1831.85	Σ 3	7.8 *wh.*
12538	H 3211	DM (2°) 4706	38 50	3 6	92.5	20±	9 = 9	1830+	H	
12539	Σ 3035 *rej.*	W^1 XXIII^h. 769	39 5	7 34	310.8	30±	9 ...11	1830+	H	From H (V)
12540	β 1223	DM (4°) 5046	39 10	4 27	298.6	1.33	8.1...10.8	1890.82	β 3	
12541	Hu 300	DM (5°) 5219	39 23	5 49	123.3	1.11	8.7 ...9.0	1900.77	Hu 3	(*A. J.* 494)
12542	OΣ 505	DM (19°) 5147	39 25	19 45	61.3	2.17	6.8...10.0	1849.58	OΣ 4	6.8 *yel.*
12543	Sh 356	107 *Aquarii*	39 47	−19 21	143.5	5.06	7 ... 8	1823.79	Sh 2	
12544	Σ 3036	P XXIII^h. 179	39 52	− 0 24	228.2	2.42	7.8...10.8	1832.50	Σ 3	7.8 *yel'sh*
12545	A 312	SD (4°) 5948	39 58	− 4 5	241.5	1.71	8.9...14.0	1901.86	A 3	
12546	H 3212	DM (73°) 1059	40 5	73 25	29.3	18±	9–10...13	1830+	H	
12547	OΣ (App) 248	L 46577	40 7	50 0	138.3	52.84	7.2... 9.3	1876.35	Δ 3	
12548	Σ 3037	DM (59°) 2769	23 40 18	59 48	214.0	2.70	7.0... 8.5	1832.16	Σ 4	A and B AB *very yel.:*
					184.4	28.91	... 8.9	1832.16	Σ 4	A and C C *blue*

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12549	**β 726**	**SD** (13°) 6461	$23^h\ 40^m\ 24^s$	−13°25′	324°2	0′91	8.5...10.5	1877.86	β 1	
12550	**Σ 3038**	**DM** (61°) 2520	40 24	62 0	275.0	4.36	9.0... 9.5	1833.83	Σ 3	*White*
12551	**Egbert 8**	**DM** (16°) 4980	40 26	16 25	89.0	1.37	8.5... 9.0	1879.66	Cin 2	
12552	**Σ 3039**	**DM** (27°) 4619	40 49	27 45	36.4	30.33	7.3... 9.7	1830.93	Σ 3	7.3 *very yel.*
12553	**H 3213**	....	40 53	−17 24	69.5	....	11–12..12	1830+	H	"Triple." C 14 m.
12554	**H 3214**	....	40 53	−10 1	275.0	6±	10 ...11	1830+	H	"Very neat"
12555	**Barnard 19**	W^1 XXIII^h. 803	40 53	4 35	166.2	0.54	8.6... 8.6	1889.57	β 3	
12556	**H 3215**	....	40 57	−17 27	263.7	12±	11 ...12	1830+	H	
12557	**H 1908**	**DM** (34°) 5007	41 2	34 58	78.9	12±	10 ...10	1820+	H	
12558	**A. G. 295**	**A. G. Chris.** 3861	41 24	68 23	105.8	14.30	9.4... 9.5	1891.62	β 2	
12559	**β 727**	W^2 XXIII^h. 866	41 26	24 55	313.4	17.47	7.0...12.5	1878.69	β 2	
12560	**Δ 27**	**DM** (62°) 2296	41 32	62 33	358.6	1.61	8.2...10.8	1877.29	Δ 3	A and B
					143.6	10.33	...10.7	1877.29	Δ 3	A and C
12561	**β 390**	**L** 46617	41 33	48 38	233.9	18.02	8.3...11.8	1880.74	β 1	
12562	**β 995**	**Groom.** 4139	41 35	46 10	245.4	0.88	6.5... 8.5	1880.01	β 2	
12563	**Σ 3041**	W^1 XXIII^h. 824	41 45	16 25	347.6	71.09	7.3... 8.2	1832.19	Σ 5	A and BC
					183.4	3 .27	... 8.1	1832.19	Σ 5	C and B
12564	**S 835**	20 *Piscium*	41 46	− 3 26	287.2	170.92	6 ...12	1824.83	S 2	12 *blue*
12565	**Hd 178**	....	42 :	−15 37:	....	18±	9 ...12	1868	Hd	
12566	**Hd 179**	....	42 :	−22 8:	....	9±	8.5... 9	1868	Hd	"Suspected"
12567	**Σ 3040**	W^1 XXIII^h. 828	42 0	9 29	217.0	4.38	9.0... 9.0	1830.12	Σ 3	
12568	**Hu 96**	**SD** (11°) 6141	42 4	−10 57	104.0	1.10	9.2...10.2	1899.77	Hu 3	(*A. J.* 480)
12569	**β 1152**	**Groom.** 4142	42 18	63 9	102.4	0.64	9.2... 9.2	1889.60	β 3	B and C
					136.3	74.28	7.5...	1889.60	β 3	A and BC
12570	**OΣ 506** *rej.*	**L** 46645	42 34	35 37	79.7	17.92	7.0...10.4	1868.59	Δ 4	7.0 *yel.*
12571	**β 1013**	δ *Sculptoris*	42 40	−28 48	228.2	3.36	5.0...13	1881.86	β 2	A and B
					296.6	74.31	... 8.9	1881.88	β 3	A and C
12572	**H 1909**	....	42 45	13 9	119.1	3±	12 ...13	1828+	H	
12573	**OΣ 507**	**B. A. C.** 8277	42 51	64 13	224.4	0.56	6.8... 7.5	1847.01	OΣ 2	A and B
					353.9	48.83	... 7.8	1847.01	OΣ 2	AB and C
12574	**H 3217**	....	42 53	70 39	271.0	10±	10 ...13	1830+	H	
12575	**OΣ 508**	6 *Cassiopeiae*	43 0	61 33	196.2	1.65	5.7... 8.2	1854.15	OΣ 5	5.7 *very yel.*
12576	**Hu 797**	**DM** (81°) 832	43 1	82 7	132.9	0.78	8.8... 9.0	1904.48	Hu 1	
12577	**Weisse 42**	W^2 XXIII^h. 896	43 15	24 41	....	....	8–9...	....	....	
12578	**A 645**	**A. G. Hels.** 14414	43 22	57 58	86.3	0.64	9.2...10.0	1903.54	A 3	(*Bul. L. O.* No. 50)
12579	**H 1910**	....	43 27	55 8	252.5	10±	10 ...11	1828+	H	
12580	**H 3218**	....	43 34	−22 40	93.0	4±	10 ...11	1830+	H	"Neat"
12581	**H 5423**	**L** 46671	43 37	−26 0	313.8	15±	6½...15	1836.7	H	
12582	**Weisse 43**	W^1 XXIII^h. 865	43 40	16 12	....	....	9 ...	....	....	
12583	**A 424**	**A. G. Camb.** 14307	43 46	27 1	229.9	0.20	7.3... 7.8	1902.86	A 3	(*Bul. L. O.* No. 29)
12584	**Hu 698**	**SD** (18°) 6378	44 0	−18 3	316.7	0.91	8.6... 9.0	1901.31	Hu 2	(*Bul. L. O.* No. 57)
12585	**H 993**	....	44 21	0 13	350±	6±	10 ...15	1820+	H	"Double" in *Hd Zones*
12586	**Hu 499**	**SD** (15°) 6508	44 29	−15 9	144.3	0.57	9.5... 9.5	1901.87	Hu 2	(*Bul. L. O.* No. 21)
12587	**OΣ 509**	**L** 46703	44 30	42 45	108.2	5.44	7.6... 9.5	1854.76	OΣ 4	7.6 *blue*
12588	**A 792**	**A. G. Bonn** 18197	44 32	46 23	247.1	0.34	8.5... 8.5	1904.48	A 1	
12589	**A 793**	**A. G. Bonn** 18200	44 37	46 25	303.8	0.17	8.5... 8.5	1904.54	A 2	
12590	**A 794**	**A. G. Bonn** 18204	44 52	46 50	15.5	0.68	10.0...11.0	1904.48	A 1	B and C
					263.8	232.2	8.5...	1904.48	A 1	A and BC
12591	**H 3219**	**L** 46714	45 0	−19 43	347.4	12±	9 ..10	1830+	H	
12592	**H 3221**	**DM** (70°) 1336	45 5	70 45	193.3	16±	9 ...12	1830+	H	
12593	**H 3220**	**DM** (1°) 4787	45 15	1 45	24.0	20±	9–10 = 9–10	1830+	H	
12594	**A 795**	**A. G. Bonn** 18210	45 15	48 7	313.9	1.06	9.0...10.0	1904.48	A 1	
12595	**A 796**	**A. G. Bonn** 18213	45 27	47 5	30.2	0.49	7.5...10.0	1904.48	A 1	
12596	**OΣ 510**	**Rad^1.** 6201	45 31	41 25	347.8	0.40	7–5... 7.8	1848.43	OΣ 3	A and B (=β 1038)
					344.0	20.78	... 9.0	1847.91	OΣ 1	AB and C
12597	**Hu 699**	**DM** (50°) 4171	45 32	50 51	110.5	1.02	8.4...13.0	1902.54	Hu 2	(*Bul. L. O.* No. 57)
12598	**H 1912**	....	23 45 35	57 36	219.1	7±	10 ...12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12599	See 497	O. Arg. S. 23090	23^h 45^m 41^s	−29° 0′	69°8	5′18	8 ...13.6	1896.83	See 3	
12600	H 319	DM (10°) 5003	45 42	10 37	280±	12±	9 ...11	1820+	H	
12601	Σ 3042	*Andromedae* 28	45 51	37 14	89.3	4.23	7.0... 7.0	1832.25	Σ 6	*Very wh.*
12602	Hu 97	SD (11°) 6150	45 53	−11 14	39.1	1.07	9.0... 9.8	1899.77	Hu 3	(*A. J.* 480)
12603	H 3222	DM (83°) 665	46 :	83 49	253.4	....	9–10...10–11	1830+	H	"Dif. R. A.=$16^{s}5$"
12604	H 1913	DM (35°) 5123	46 1	36 3	319.0	15±	10 ...10+	1828+	H	A and B }
					340.2	13±	...15	1828+	H	B and C }
12605	β 728	L 46752	46 7	42 50	172.6	1.14	8.3... 8.3	1878.23	β 2	
12606	Ho 204	W^2 XXIII^h. 947	46 9	27 55	354.8	5.82	8.0...10.2	1882.89	Ho 2	
12607	See 498	Cord. G. C. 32219	46 13	−29 2	177.6	3.91	9.3...13.5	1896.84	See 1	
12608	β 996	P XXIII^h. 218	46 34	74 53	64.7	5.52	6.8...11.7	1880.64	β 4	
12609	β 859	W^2 XXIII^h. 961	46 35	22 18	217.3	0.63	8.5... 8.5	1881.67	β 3	
12610	Σ 3043	W^2 XXIII^h. 963	46 45	38 1	250.0	15.52	8.4... 9.2	1831.07	Σ 5	*White*
12611	β 1153	....	46 45	60 2	318.5	0.43	9.7... 9.9	1889.68	β 4	A and B }
					339.5	13.72	...10.1	1889.68	β 3	AB and C }
12612	H 1914	....	46 47	55 8	264.5	2±	13 = 13	1828+	H	"Delicate"
12613	Σ 3044	P XXIII^h. 216	46 51	11 16	282.1	18.58	6.9... 7.3	1830.97	Σ 5	*Very wh.*
12614	H.C.Wilson 29	....	47 :	−22 7:	192.9	46.03	7.7... 9.0	1885.31	W 2	From Wilson (Cin^{10})
12615	OΣ 511	Rad^1. 6206	47 8	60 2	33.6	10.30	6.8...11.0	1848.24	OΣ 3	6.8 *golden*
12616	H 1915	....	47 22	13 32	274.0	3±	14 ...15	1828+	H	"An insignificant object"
12617	H 1916	DM (48°) 4185	47 28	48 57	35.3	16±	10 = 10	1828+	H	
12618	OΣ (App) 251	P XXIII^h. 223	47 31	50 51	197.1	42.39	6.3... 9.0	1875.48	Δ 3	
12619	H 5429	Lac. 9636	47 31	−30 3	221.3	25±	7½...10	1834.7	H	*Yellow: blue*
12620	H 3223	SD (2°) 6056	47 32	− 2 19	1.0	40±	8–9... 9	1830+	H	
12621	Ho 205	L 46836	47 58	38 37	179.7	4.56	6.5...12.5	1885.77	Ho 2	
12622	H 3224	....	48 1	70 15	355.5	4±	10–11..13	1830+	H	
12623	....	B. A. C. 8308	48 9	−27 43	267.5	6.85	6+... 7	1835.16	H 2	
12624	Sh 358	L 46844	48 13	31 14	329.2	41.29	8 ...11	1822.89	Sh 1	
12625	Σ 3045	DM (1°) 4799	48 17	1 48	262.4	1.55	7.8... 9.8	1832.49	Σ 3	7.8 *yel'sh*
12626	H 3225	O. Arg. S. 23120	48 28	−23 42	347.0	20±	8–9... 9–10	1830+	H	
12627	H 1917	DM (44°) 4519	48 43	45 6	88.4	7±	10 ...12	1828+	H	
12628	OΣ (App) 252	W^2 XXIII^h. 996	48 50	28 48	143.2	111.78	6.3... 7.3	1875.43	Δ 3	
12629	H 3226	Rad^1. 6215	49 0	73 45	5.4	25±	7–8...13	1830+	H	7.0 m. in DM
12630	A 798	A. G. Chris. 3892	49 12	70 5	23.8	0.47	8.6...10.5	1904.52	A 1	
12631	β 729	O. Arg. S. 23124	49 14	−18 30	346.4	11.42	8.0...12.0	1877.70	β 1	
12632	A 797	A. G. Bonn 18266	49 19	46 31	36.6	4.37	8.5...15.0	1904.50	A 1	
12633	H 1918	....	49 30	57 11	47.6	4±	11 ...12–13	1828+	H	
12634	H 5433	....	49 31	−18 25	....	Cl. III	10 ...10	1834+	H	"A star 7 m. precedes"
12635	A. G. 296	A. G. Lund 11379	49 37	37 50	54.5	5.43	9.1... 9.2	1902.53	β 2	
12636	A 425	A. G. Camb. 14355	49 56	27 35	162.8	1.54	9.3... 9.8	1902.81	A 3	(*Bul. L. O.* No. 29)
12637	Hu 500	DM (22°) 4930	49 58	22 47	88.7	0.13	8.5... 8.5	1901.82	Hu 3	(*Bul. L. O.* No. 21)
12638	A 426	A. G. Berlin B 9147	50 4	24 40	273.9	0.24	8.9... 9.0	1902.86	A 3	(*Bul. L. O.* No. 29)
12639	Σ 3046	L 46916	50 15	−10 10	232.2	2.52	8.0... 8.5	1830.15	Σ 4	*Yel'sh wh.*
12640	H 994	DM (−1°) 4505	50 17	− 1 15	260±	6±	10 ...11	1820+	H	H (V) 257°1: 10″±
12641	H 3227	SD (15°) 6523	50 22	−15 25	279.8	14±	10 ...11	1830+	H	
12642	H 1919	DM (48°) 4195	50 37	48 50	61.4	8±	10 ...13	1828+	H	
12643	Weisse 44	W^1 XXIII^h. 1008	50 40	− 1 11	....	....	9 ...	....	....	
12644	H 1920	DM (48°) 4196	50 51	48 50	258.5	16±	9 ...12	1828+	H	
12645	β 1224	L 46942	50 53	55 10	203.3	3.94	6.6...13.3	1890.74	β 3	
12646	Hu 98	SD (13°) 6490	50 57	−13 38	121.6	1.61	8.4...10.0	1899.73	Hu 3	(*A. J.* 480)
12647	H 1921	....	50 58	56 3	217.8	3±	11 ...12	1828+	H	"In a splendid cluster"
12648	A. G. 297	A. G. Lund 11384	51 7	37 11	312.8	1.81	8.7... 8.9	1902.53	β 3	
12649	H 5435	O. Arg. S. 23144	51 12	−16 46	2.7	12±	9 ... 9½	1835.7	H	
12650	A 427	A. G. Camb. 14370	51 14	27 4	221.4	1.58	8.7...13.2	1902.86	A 3	(*Bul. L. O.* No. 29)
12651	OΣ 512	Rad^1. 6230	51 18	60 22	290.9	4.55	6.6...10.9	1853.73	OΣ 4	6.6 *golden*
12652	A 799	A. G. Bonn 18311	51 28	47 24	13.1	1.64	8.7... 8.8	1904.50	A 1	
12653	H 1922	....	23 51 37	63 35	148.3	6±	9–10...12	1828+	H	

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12654	**H 321**	*Pegasi* 423	$23^h\ 51^m\ 38^s$	10°48′	125° ±	15″ ±	7 ...11	1820+	H	
12655	**Σ 3047**	**DM** (56°) 3120	51 50	56 43	65.6	1.18	8.7... 8.7	1832.20	Σ 3	A and B } *Yel'sh wh.*
					185.9	8.08	...12.5	1880.74	β 1	A and C } AC=β 280
12656	**Σ 3048**	**P XXIII**^{h}. 240	51 57	23 41	314.3	9.22	7.7... 8.8	1830.57	Σ 3	*Yel'sh wh.*
12657	**H 995**	**DM** (27°) 4655	51 58	27 59	343±	5–10	....	1820+	H	
12658	**H 3228**	**Cord. DM** (28°) 18415	52 0	−28 36	335.5	10±	9–10.. 9–10	1830+	H	"Neat"
12659	**Δ 28**	**O. Arg. N.** 26231	52 6	60 22	318.3	4.61	9.4... 9.8	1869.51	Δ 4	
12660	**H 996**	**DM** (0°) 5074	52 12	0 55	345±	12±	10 ...15	1820+	H	
12661	**OΣ 513**	**L** 46981	52 14	34 21	22.5	3.79	7.0... 9.5	1851.10	OΣ 4	
12662	**H 997**	....	52 17	− 1 45	85±	9±	10–11..11–12	1820+	H	
12663	**Espin 37**	*R Cassiopeiae*	52 19	50 43	277.1	8.75	Var...14.5	1899.97	Es 1	A and B } (*A. N.* 3717)
					332.8	27.29	...10.2	1899.89	Es 2	A and C }
12664	**β 730**	27 *Piscium*	52 32	− 4 13	265.8	1.42	5.5...10.8	1878.39	β 3	
12665	**Hu 99**	**SD** (13°) 6496	52 45	−13 27	1.1	3.45	8.7...12.3	1899.73	Hu 3	(*A. J.* 480)
12666	**Σ 3049**	*σ Cassiopeiae*	52 55	55 5	323.5	3.01	5.4... 7.5	1833.19	Σ 4	*Green: very blue*
12667	**Ho 206**	**W**^{2} **XXIII**^{h}. 1080	52 58	33 36	191.1	2.09	8.0...10.0	1881.74	Ho 2	
12668	**A. G. 298**	**DM** (22°) 4936	53 1	22 47	....	....	9.2...	....	....	
12669	**Ho 207**	**W**^{2} **XXIII**^{h}. 1085	53 1	40 32	187.2	3.52	7.0...12.5	1883.33	Ho 2	
12670	**Espin 38**	....	53 3	56 18	337.8	18.22	9.0...10.7	1899.73	Es 2	(*A. N.* 3717)
12671	**Doo 22**	**DM** (52°) 3574	53 8	52 49	217.1	1.50	9.0... 9.5	1900.70	Doo 1	
12672	**β 1154**	**DM** (73°) 1068	53 12	74 10	310.1	0.98	8.0... 8.2	1889.51	β 3	
12673	**H 3229**	....	53 18	6 26	322.7	5±	11 ...12	1830+	H	
12674	**Arg. 46**	**Lac.** 9674	53 19	−27 12	170.8	11.11	8.0... 8.5	1877.70	Cin 2	
12675	**Σ 3050**	*Andromedae* 37	53 23	33 4	191.0	3.78	6.0... 6.0	1832.65	Σ 3	*Yel'sh*
12676	**Holmes**	**DM** (56°) 3127	53 24	57 0	75.8	18.61	8.0...11.0	1901.92	Es 2	(*M. N.*, LXII, 533)
12677	**β 731**	**L** 47033	53 27	− 8 28	257.8	1.57	8.7...10.0	1878.28	β 2	
12678	....	**DM** (10°) 5017	53 39	10 35	121.7	25.66	8.0...12.5	1901.68	β 2	
12679	**Hu 600**	**SD** (19°) 6552	53 40	−19 25	15.7	1.95	9.2...10.5	1901.31	Hu 2	(*Bul. L. O.* No. 27)
12680	**Weisse 45**	**W**^{1} **XXIII**^{h}. 1071	53 42	1 12	88.4	1.85	8.5... 9.0	1879.74	Cin 1	
12681	**H 3230**	....	53 47	0 8	355.4	4±	13 ...15	1830+	H	"Difficult; another 13 m. *p*"
12682	**β 860**	*Andromedae* 6	53 53	38 12	107.2	6.70	6.8...11.6	1881.72	β 4	
12683	**Hn 59**	**O. Arg. N.** 26248	53 57	52 35	12.3	1.02	8.6... 8.8	1881.56	β 4	A and B }
					307.5	19.83	...10.8	1881.56	β 3	AB and C }
12684	**H 318**	....	54 10:	16 2:	270±	12±	....	1820+	H	"Stars equal; Δ R. A. = 1^s"
12685	**H 1923**	....	54 16	50 3	275.8	6±	12 = 12	1828+	H	"In a tolerably rich cluster"
12686	**A. G. 299**	**A. G. Camb.** 14394	54 16	26 15	....	....	6.5...	....	....	
12687	**β 732**	**W**^{1} **XXIII**^{h}. 1086	54 18	7 50	152.4	6.10	8.5...10.7	1878.35	β 3	
12688	**H 1924**	....	54 18	66 33	224.6	6±	11 = 11	1828+	H	
12689	**H 3231**	**DM** (72°) 1133	54 19	72 25	278.4	8±	10 ...13	1830+	H	} "Triple"
					300.6	25±	...10+	1830+	H	}
12690	**Hu 700**	**DM** (48°) 4210	54 23	48 37	340.5	4.66	8.6...13.5	1902.64	Hu 2	(*Bul. L. O.* No. 57)
12691	**OΣ (App) 253**	**Rad**^{1}. 6258	54 59	68 54	353.3	100.45	6.7... 7.3	1875.50	Δ 3	
12692	**Howe 64**	....	55 :	− 1 10	85.9	1.85	8.5... 9.0	1879.74	Cin 1	From Cin^6
12693	**OΣ (App) 254**	**Rad**^{1}. 6259	55 8	59 41	89.6	58.92	6.3... 7.7	1874.74	Δ 3	
12694	**Dunér 4**	**DM** (6°) 5233	55 11	7 2	265.3	15.26	8.8... 9.9	1869.31	Du 3	
12695	**H 1925**	**DM** (55°) 3069	55 12	55 24	334.4	12±	10 ...11	1828+	H	
12696	**Hn 60**	**DM** (38°) 5112	55 17	38 58	124.1	0.62	8.5... 8.9	1881.71	β 3	
12697	**Ho 208**	**W**^{2} **XXIII**^{h}. 1146	55 21	30 4	235.8	0.67	8.0...10.0	1884.39	Ho 2	
12698	**H 3232**	....	55 38	−19 51	345.9	12±	10 ...12	1830+	H	
12699	**Hu 798**	**DM** (63°) 2093	55 42	63 57	....	1±	9.1...	1904	Hu	
12700	**β 482**	**DM** (62°) 2350	55 45	62 39	343.8	4.60	9.0...10.0	1888.71	β 3	A and B }
					123.9	9.79	...11.2	1888.71	β 3	A and C }
12701	**β 733**	85 *Pegasi*	55 54	26 27	274.0	0.67	6.0...12.5	1878.73	β 3	A and B }
					114.1	33.03	... 8.5	1852.67	OΣ 1	A and C }
12702	**H 5440**	**L** 47124	56 7	−27 48	285.1	3.63	8½... 9	1834.78	H 1	
12703	**Ho 209**	**DM** (32°) 4755	23 56 12	32 18	358.7	1.28	8.5...11.0	1884.23	Ho 2	A and B }
					139.0	19.47	...13	1884.43	Ho 2	AB and C }

Number	Double Star	Star Catalogue	R. A. 1880	Decl. 1880	Position Angle	Distance	Magnitudes	Epoch	Observer	Notes
12704	Σ 3053	B. A. C. 8355	23h 56m 27s	65°26′	70°.0	15″.15	6.0... 7.3	1832.49	Σ 3	*Very yel.: blue*
12705	A 428	SD (9°) 6310	56 30	− 9 9	111.1	0.22	8.7... 8.8	1902.74	A 3	(*Bul. L. O.* No. 29)
12706	Σ 3051	L 47159	56 34	79 37	23.4	16.52	7.5... 9.4	1832.97	Σ 4	7.5 *yel'sh wh.*
12707	Arg 47	O. Arg. N. 26323	56 36	59 17	289.3	10.13	8 ... 9	1892.8	Es 1	
12708	Ho 622	L 47150	56 37	35 9	87.5	23.53	7.2...12.2	1896.79	Ho 2	(*A. N.* 3558)
12709	β 281	L 47148	56 38	1 28	217.0	1.12	7.5...11.0	1877.82	β 2	A and B
					335.8	30.44	...11.0	1877.82	β 2	A and C
12710	Hu 799	DM (77°) 933	56 41	77 32	....	1±	9.5... 9.8	1904	Hu	
12711	A 800	A. G. Bonn 18403	56 43	46 35	285.1	1.39	8.5... 8.5	1904.50	A 1	
12712	Σ 3052	DM (70°) 1342	56 47	70 41	7.9	33.51	7.2... 7.8	1831.93	Σ 3	*White*
12713	H 999	L 47158	56 48	− 1 34	85±	30±	7–8...14	1820+	H	
12714	Weisse 46	W² XXIIIh. 1147	56 49	2 43	....	....	9 ...	....	....	
12715	Σ 3054	DM (7°) 5123	56 55	7 36	181.5	33.66	7.5... 8.5	1828.73	Σ 2	*Very wh.*
12716	β 861	DM (68°) 1422	56 55	69 2	177.4	1.30	9.4... 9.7	1881.53	β 4	
12717	H 3233	....	56 56	6 42	195.4	7±	10 ...11	1830+	H	"A third *np* by diagram"
12718	H 1926	DM (56°) 3138	56 57	56 43	315.3	13±	8 ...11	1828+	H	
12719	H 1927	DM (44°) 4543	56 58	44 28	85.0	16±	9–10...10	1828+	H	
12720	H 1928	....	57 5	60 14	199.5	14±	10–11..11	1828+	H	
12721	H 3234	DM (81°) 841	57 8	81 58	201.0	1¼±	9–10...12	1830+	H	A and B
					41.3	10±	...14	1830+	H	A and C
12722	H 3235	DM (12°) 5060	57 34	12 12	81.8	15±	10 ...10	1830+	H	
12723	A 429	A. G. Camb. 14424	57 42	27 19	164.0	0.46	8.8... 9.0	1902.86	A 3	A and B
					288.9	4.97	8.4... 9.0	1902.86	A 3	AB and C
12724	Σ 3055	DM (11°) 5092	57 51	11 29	0.8	5.45	7.0...11.2	1831.07	Σ 5	7.0 *yel'sh wh.*
12725	Ḧ IV. 69	....	57 54:	40 33:	340.6	21.97	....	1783.64	Ḧ 1	
12726	H 1931	DM (49°) 4321	57 57	49 18	116.1	15±	8 ...12	1828+	H	
12727	S 838	9 *Cassiopeiae*	58 3	61 37	195.6	245.42	6 ...10	1824.84	S 2	10 *blue*
12728	H 1932	DM (41°) 4932	58 5	41 55	302.2	5±	10 = 10	1828+	H	"Neat; a third *sp*"
12729	OΣ 514	DM (41°) 4933	58 27	41 25	168.1	5.19	6.9... 9.5	1847.55	OΣ 4	
12730	Hu 800	DM (34°) 5059	58 30	35 7	72.2	0.20	8.8... 9.0	1904.49	Hu 1	
12731	Σ 3056	DM (33°) 4827	58 30	33 36	158.2	0.55	7.4... 7.4	1831.32	Σ 5	A and B AB
					355.4	20.48	... 9.0	1831.64	Σ 5	AB and C *yel'sh*
12732	β 862	W² XXIIIh. 1245	58 36	37 30	104.9	0.54	8.5... 8.8	1881.74	β 2	
12733	Hu 100	SD (10°) 6223	58 39	−10 32	349.6	4.32	9.2... 9.6	1899.73	Hu 3	(*A. J.* 480)
12734	A 203	A. G. Bonn 18435	58 42	43 18	335.1	1.37	8.3... 8.6	1900.84	A 3	
12735	Σ 3057	B. A. C. 8364	58 43	57 52	299.5	3.64	7.2... 9.3	1832.29	Σ 3	*Yel'sh: ash*
12736	β 997	L 47215	58 47	45 1	339.7	4.02	7.9... 8.9	1880.73	β 4	
12737	H 1933	DM (62°) 2360	58 54	62 42	91.5	15±	10 ...10+	1828+	H	
12738	Σ 3059	Redhill 3707	58 55	82 2	334.8	2.35	9.3...10.8	1833.43	Σ 3	
12739	Σ 3058	W² XXIIIh. 1263	59 0	29 40	49.9	12.47	7.7... 9.2	1831.00	Σ 3	7.7 *wh.*
12740	OΣ 547	L 47231	59 12	45 9	110.9	4.49	8.3... 8.3	1876.07	OΣ 3	*Reddish*
12741	OΣ (App) 255	DM (15°) 4935	59 14	15 40	336.9	89.22	7.8... 8.2	1874.95	Δ 3	
12742	Ho 490	L 47236	59 19	33 26	167.5	20.82	8.0...13	1892.46	Ho 2	
12743	Hu 501	DM (49°) 4329	59 20	49 51	256.0	4.60	7.8...13.0	1902.54	Hu 2	(*Bul. L. O.* No. 27)
12744	H 3237	DM (75°) 907	59 32	75 37	315.8	18±	9 ...12	1830+	H	
12745	A 110	A. G. Bonn 18447	59 33	41 59	123.4	1.89	9.2... 9.3	1900.84	A 3	
12746	Σ 3061	DM (17°) 5032	59 35	17 10	148.4	7.59	8.0... 8.0	1829.76	Σ 4	*White*
12747	β 863	DM (72°) 1139	59 42	72 55	123.7	1.60	9.2...11.0	1881.57	β 3	
12748	H 5441	....	59 43	−22 20	233±	20±	9 ... 9	1835.8	H	
12749	H 3238	SD (15°) 6542	59 45	−15 6	246.0	25±	9–10...12	1830+	H	
12750	Σ 3060	DM (17°) 5036	59 47	17 25	110.5	3.93	8.5... 8.7	1830.52	Σ 3	*Yel'sh*
12751	See 1	Cord. 23h. 1630	59 48	−31 0	324.5	4.85	8.5...12	1896.83	See 2	
12752	Hu 502	DM (48°) 4244	59 48	48 57	112.6	2.41	7.2...10.5	1902.54	Hu 3	(*Bul. L. O.* No. 27)
12753	Kr 67	A. G. Hels. 14673	59 49	60 12	159.4	2.71	9.0... 9.2	1890.76	β 1	
12754	H 3236	SD (21°) 6532	59 49	−21 19	217.5	18±	10 = 10	1830+	H	(= H 5441)
12755	Σ 3062	B. A. C. 8372	23 59 57	57 46	87.5	0.82	6.9... 8.0	1831.71	Σ 2	*Yel.*

APPENDIX TO PART I

APPENDIX TO PART I

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
12756	Hu 1001	DM (33°) 4835	$0^h\ 1^m\ 15^s$	34° 3′	178°.4	1″.98	8.2...11.2	4.54	Hu 2	
12757	Hu 1002	DM (62°) 3	2 33	62 48	302.7	0.65	9.2...10.5	4.99	Hu 3	
12758	Hu 1003	DM (66°) 6	4 53	66 44	31.6	2.42	8.5...11.2	4.73	Hu 2	
12759	A 801	DM (74°) 3	5 38	74 58	232.0	1.82	9.1... 9.5	4.64	A 2	
12760	A 901	A. G. Hels. 78	6 4	59 24	96.5	0.91	8.6...11.0	5.55	A 3	
12761	A 802	A. G. Bonn 94	6 57	46 13	337.5	0.20	9.1... 9.4	4.83	A 3	
12762	A 902	A. G. Hels. 127	8 59	59 47	326.6	1.20	8.5...11.2	5.55	A 3	
12763	A 646	A. G. Bonn 135	9 21	44 19	44.3	2.38	8.5...11.2	4.54	A 2	
12764	A 903	A. G. Harvard 82	9 35	52 42	118.9	0.73	8.9...11.2	5.66	A 3	
12765	Hu 1004	DM (66°) 12	10 43	66 16	188.4	0.49	9.0... 9.5	4.73	Hu 2	
12766	A 904	A. G. Hels. 174	11 50	57 3	0.4	3.24	8.9...10.0	5.59	A 2	
12767	A 803	DM (72°) 15	12 38	72 23	175.2	0.33	7.3... 7.6	4.62	A 3	PM = 0″.002 in 90° (Gr)
12768	A 905	A. G. Hels. 188	13 6	59 11	288.8	0.81	9.0...11.8	5.55	A 3	
12769	A 906	DM (54°) 28	13 12	54 58	313.8	2.46	9.2...12.0	5.68	A 2	
12770	Hu 1005	DM (49°) 46	14 10	49 57	180.0	0.60	9.2...11.5	3.97	Hu 3	
12771	A 647	A. G. Bonn 229	15 14	44 57	215.8	0.66	7.5... 9.5	4.54	A 3	
12772	Hu 1006	DM (65°) 37	16 10	65 15	198.4	3.13	9.0... 9.4	4.73	Hu 2	
12773	A 907	A. G. Harvard 129	17 11	53 44	220.8	0.70	8.7... 8.9	5.66	A 3	
12774	A 648	A. G. Bonn 255	17 14	44 22	72.3	0.31	8.8... 9.8	4.56	A 3	
12775	A 804	A. G. Bonn 262	17 53	46 43	322.5	1.49	8.3...10.5	4.62	A 2	A and B } AC = H 1960
					202.0	25.60	...10	4.62	A 1	A and C } (See No. 172)
12776	A 908	A. G. Hels. 282	19 5	55 59	249.2	0.35	9.3... 9.4	5.66	A 3	
12777	Hu 1007	DM (62°) 84	22 39	63 11	156.7	0.39	9.5... 9.5	5.00	Hu 2	
12778	Hu 1008	DM (49°) 97	22 46	49 55	235.6	0.34	9.2...10.0	4.80	Hu 2	
12779	A 805	A. G. Leip. I. 115	23 58	10 46	304.3	4.14	8.0...14.2	4.67	A 2	
12780	A 649	A. G. Chris. 83	24 2	68 31	305.6	0.44	8.5... 8.8	4.56	A 3	
12781	A 909	A. G. Hels. 361	24 11	58 22	35.8	0.87	8.9... 9.2	5.55	A 3	A and B }
					235.5	7.15	...14.5	5.53	A 1	A and C }
12782	A 910	A. G. Bonn 372	24 47	45 24	31.8	2.34	8.5...10.0	5.64	A 2	
12783	Hu 1009	DM (32°) 78	25 55	32 52	241.5	1.67	9.0... 9.6	4.66	Hu 2	
12784	A 911	A. G. Bonn 416	28 0	47 6	319.7	0.50	7.9... 8.6	5.41	A 3	
12785	A 912	A. G. Bonn 419	28 9	44 36	17.9	0.44	10.0...13.2	4.79	A 2	B and C }
					229.6	24.04	8.3...	4.63	A 1	A and BC }
12786	Hu 1010	DM (33°) 74	29 55	33 18	85.0	1.28	9.2... 9.2	4.49	Hu 2	
12787	A 806	A. G. Leip. I. 145	30 18	11 18	146.2	1.28	8.0...13.0	4.61	A 2	A and B }
					236.0	1.08	9.7...12.7	4.61	A 2	C and D } AC = No. 319
					10.9	60.05	...	4.60	A 1	A and C }
12788	Hu 1011	DM (33°) 75	30 19	33 56	132.3	0.40	7.5... 9.0	4.49	Hu 2	
12789	A 913	A. G. Hels. 481	30 50	55 48	82.5	0.50	9.1... 9.5	5.80	A 3	
12790	A 914	A. G. Hels. 484	30 57	55 35	257.1	0.26	8.5... 8.5	5.80	A 3	
12791	A 807	A. G. Leip. I. 149	31 14	11 40	241.0	0.79	8.7...10.8	4.65	A 3	
12792	A 808	A. G. Leip. II. 189	32 12	8 27	148.0	0.50	8.7...10.0	4.86	A 2	
12793	A 915	A. G. Camb. 363	32 30	29 57	142.7	0.70	9.5... 9.8	5.86	A 2	
12794	A 650	A. G. Bonn 528	35 36	46 26	24.1	3.78	8.3...15.5	4.55	A 2	
12795	Hu 1012	DM (76°) 20	36 19	76 27	210.3	0.55	9.0...10.5	4.70	Hu 2	
12796	A 809	A. G. Leip. I. 176	36 53	10 27	321.4	0.54	8.9...10.6	4.69	A 4	
12797	A 916	A. G. Hels. 570	37 11	57 9	269.4	0.67	9.2... 9.5	5.59	A 2	
12798	Hu 1013	DM (80°) 17	37 26	80 19	161.0	1.08	8.8...12.0	4.60	Hu 2	
12799	A 917	A. G. Camb. 413	37 29	28 51	121.0	1.12	9.2...10.5	5.85	A 2	
12799½	A 651	A. G. Bonn 555	37 49	46 53	200.2	0.58	9.0...10.0	4.57	A 3	
12800	Hu 1014	DM (76°) 23	0 37 59	76 27	350.7	0.88	9.3... 9.8	4.76	Hu 3	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
12801	Hu 1015	DM (64°) 74	$0^h 38^m 13^s$	64°28′	305°.4	0″.68	9.0...10.3	5.00	Hu 3	
12802	A 810	A. G. Leip. I. 189	38 13	11 3	313.6	2.53	8.9...14.2	4.64	A 2	
12803	A 918	A. G. Harvard 310	38 18	54 3	62.3	1.91	8.3...13.3	5.80	A 3	
12804	A 652	A. G. Bonn 564	38 30	46 25	174.6	0.27	8.3... 9.5	4.57	A 3	
12805	A 919	A. G. Hels. 598	39 0	59 46	144.8	0.50	8.5... 9.2	5.60	A 3	A and B
					39.6	2.31	12.5...14.0	5.61	A 1	C and D
					49.9	83.0	...	5.61	A 1	AB and C
12806	A 811	DM (73°) 36	41 6	73 56	67.4	0.52	9.0... 9.2	4.83	A 2	
12807	A 920	A. G. Leip. I. 207	41 42	11 59	228.5	1.60	8.6...11.2	5.60	A 3	
12808	A 653	A. G. Bonn 616	41 47	44 45	137.0	4.27	9.0...15.0	4.54	A 2	
12809	A 654	A. G. Bonn 639	43 0	44 26	84.0	5.16	7.6...14.5	4.54	A 2	P.M. = 0″.043 in 139°.8 (Gr)
12810	A 921	A. G. Hels. 682	44 32	56 32	38.9	0.17	9.0... 9.5	5.62	A 3	A and B
					265.4	4.32	...14.2	5.60	A 3	AB and C
12811	A 922	A. G. Leiden 272	45 26	31 30	341.5	0.51	9.3... 9.5	5.89	A 3	
12812	A 923	A. G. Hels. 709	46 5	59 2	156.0	0.85	9.0...11.0	5.60	A 3	
12813	A 812	A. G. Bonn 686	46 9	47 31	326.4	1.80	7.1...11.0	4.62	A 2	
12814	A 924	A. G. Leiden 283	46 36	31 21	254.2	0.44	9.2... 9.3	5.89	A 3	
12815	Hu 1016	DM (63°) 105	46 53	63 23	186.9	3.39	8.3...13.0	4.89	Hu 2	
12816	Hu 1017	DM (51°) 177	47 41	51 47	332.8	1.96	8.8...10.8	4.53	Hu 2	
12817	Hu 1018	DM (50°) 175	48 31	50 35	357.3	0.80	9.3...10.0	3.63	Hu 2	
12818	Hu 1019	DM (66°) 79	52 17	66 54	222.1	1.17	8.3...11.0	4.87	Hu 3	
12819	A 925	A. G. Bonn 789	53 2	44 25	102.9	1.26	8.0...12.2	5.85	A 2	
12820	A 926	A. G. Hels. 840	55 0	59 49	248.4	0.25	8.2... 8.6	5.62	A 3	
12821	Hu 1020	DM (60°) 143	55 16	60 30	109.2	0.84	8.8...12.0	4.89	Hu 2	
12822	A 927	A. G. Bonn 833	56 3	46 3	349.8	2.97	9.0... 9.5	5.85	A 2	
12823	A 928	DM (86°) 15	56 39	86 21	167.2	1.75	9.1...11.5	5.21	A 2	
12824	A 929	A. G. Camb. 636	59 34	29 3	119.7	0.39	9.4... 9.5	5.89	A 3	
12825	A 930	A. G. Hels. 918	1 0 22	58 9	339.8	0.21	9.1... 9.3	5.61	A 3	
12826	A 931	A. G. Bonn 910	1 15	47 12	274.5	0.28	8.6... 8.6	5.87	A 3	
12827	Hu 1021	DM (66°) 94	1 40	66 57	298.8	2.84	8.2...12.0	4.72	Hu 2	
12828	A 932	A. G. Bonn 951	3 38	44 22	344.5	0.89	9.1...10.2	5.85	A 2	
12829	Hu 1022	DM (48°) 347	3 55	48 52	323.0	2.88	8.4...13.3	3.95	Hu 3	
12830	A 933	A. G. Bonn 959	4 10	44 54	348.2	2.06	9.0...11.5	5.85	A 2	
12831	A 655	A. G. Bonn 983	5 32	40 41	144.6	0.28	7.3... 7.7	4.05	A 3	
12832	Hu 1023	DM (64°) 130	7 6	65 5	2.1	3.82	8.7...10.2	4.72	Hu 2	
12833	Hu 1024	DM (50°) 240	7 17	50 34	200.8	0.70	8.8... 9.6	4.57	Hu 3	
12834	A 656	A. G. Bonn 1014	7 32	43 55	87.2	0.63	9.3...10.3	4.05	A 3	B and C
					161.0	18.22	8.5...	4.04	A 2	A and B = No. 642
12835	A 934	A. G. Bonn 1033	9 1	47 43	182.8	2.97	9.2... 9.8	5.71	A 2	
12836	A 935	A. G. Hels. 1065	9 24	58 46	36.9	0.31	8.0... 9.2	5.62	A 3	
12837	A 813	A. G. Kasan 206	9 38	75 22	53.8	1.92	9.0...10.2	4.83	A 2	
12838	Hu 1025	DM (67°) 104	9 48	68 9	198.8	2.97	9.0... 9.8	4.72	Hu 2	
12839	Hu 1026	DM (49°) 336	10 10	49 32	224.0	4.18	8.8... 9.5	4.53	Hu 2	
12840	A 657	....	10 26	43 57	150.6	1.54	9.7...11.0	4.04	A 2	
12841	A 936	A. G. Hels. 1084	10 59	56 36	238.9	0.72	9.0...11.5	5.56	A 3	
12842	A 814	DM (72°) 67	11 1	72 51	359.9	0.24	8.6... 8.8	4.85	A 3	
12843	A 937	A. G. Bonn 1082	12 14	46 35	217.0	0.22	8.8... 9.2	5.72	A 3	
12844	Hu 1027	DM (64°) 148	13 29	65 4	281.6	0.96	9.0... 9.2	4.72	Hu 2	
12845	A 938	A. G. Bonn 1142	16 0	46 45	292.3	3.52	7.4...11.5	5.62	A 2	
12846	A 939	A. G. Bonn 1180	19 12	45 5	263.8	0.20	8.5... 8.5	5.69	A 4	
12847	Hu 1028	DM (66°) 117	20 59	67 3	273.1	0.65	9.1...11.2	4.72	Hu 2	
12848	A 940	A. G. Hels. 1234	21 33	57 50	74.8	0.41	9.1... 9.1	5.62	A 3	
12849	A 941	A. G. Bonn 1243	22 41	44 38	237.4	1.30	8.5...12.0	5.71	A 3	
12850	Hu 1029	DM (62°) 258	23 21	63 4	221.6	1.77	9.3... 9.8	4.81	Hu 2	
12851	A 815	A. G. Bonn 1277	24 48	47 3	166.7	1.40	8.5...11.0	4.60	A 2	
12852	A 816	DM (71°) 87	1 27 45	71 56	312.8	0.38	8.0... 8.1	4.88	A 2	P. M. = 0″.024 in 38°.1 (Gr)

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
12853	A 942	A. G. Hels. 1299	1^{h}25^m 47^s	57°54′	27°.6	1″.31	8.9... 9.8	5.62	A 3	
12854	A 943	A. G. Bonn 1322	28 38	45 5	209.0	0.46	8.7...11.0	5.73	A 3	
12855	Hu 1030	DM (75°) 69	30 5	76 13	325.8	0.54	8.5... 8.7	4.76	Hu 3	
12856	A 817	A. G. Bonn 1361	31 2	48 12	45.8	0.37	8.2... 8.7	4.62	A 3	
12857	A 944	A. G. Bonn 1376	31 59	45 29	349.5	0.44	8.6... 8.9	5.71	A 3	A and B
					227.8	14.80	...13.0	5.75	A 1	AB and C
12858	A 945	A. G. Bonn 1387	32 22	44 23	86.2	3.63	8.9...12.3	5.76	A 3	
12859	A 946	DM (69°) 110	33 58	69 54	332.4	0.70	9.0...10.5	4.88	A 2	
12860	A 947	A. G. Leiden 644	38 23	30 27	7.4	5.00	9.0...12.2	5.85	A 2	
12861	Hu 1031	DM (34°) 305	39 41	34 22	334.7	1.23	8.7...11.7	4.74	Hu 3	
12862	A 948	A. G. Bonn 1495	40 15	44 9	27.5	0.26	8.7...10.2	5.82	A 3	A and B
					307.5	1.99	13.5...13.8	5.80	A 2	C and D
					202.6	52.60	...	5.80	A 1	A and C
12863	A 949	A. G. Bonn 1511	41 20	44 15	290.8	3.31	9.1...10.7	5.78	A 2	
12864	Hu 1032	DM (64°) 236	41 29	64 53	202.3	1.11	8.8...12.2	4.72	Hu 2	
12865	A 950	A. G. Hels. 1612	42 53	56 15	118.2	0.38	9.2... 9.7	5.82	A 3	A and B
					125.5	16.09	...10.0	5.80	A 1	AB and C = H 2082 (No. 938)
12866	A 951	A. G. Hels. 1632	44 46	59 51	190.9	0.39	8.4... 8.7	5.86	A 3	
12867	A 952	A. G. Bonn 1567	45 26	46 35	69.2	2.20	7.5...13.0	5.85	A 2	
12868	A 953	A. G. Hels. 1673	47 46	59 26	265.8	0.38	8.5... 8.5	5.86	A 3	
12869	A 954	A. G. Hels. 1682	48 11	57 48	203.1	0.71	8.4...10.2	5.58	A 3	
12870	A 955	A. G. Hels. 1681	48 12	59 29	119.9	0.78	7.9...11.5	5.86	A 3	
12871	Hu 1033	DM (35°) 374	49 49	35 51	239.7	0.96	8.5... 8.8	4.63	Hu 2	
12872	A 818	A. G. Bonn 1641	51 3	47 43	205.2	0.31	9.0... 9.4	4.81	A 3	
12873	A 819	A. G. Leiden 722	51 16	30 32	131.8	0.53	7.8... 9.3	4.83	A 2	
12874	A 956	A. G. Hels. 1771	53 52	59 56	297.9	0.33	9.1... 9.6	5.86	A 3	
12875	A 820	A. G. Bonn 1722	55 28	47 9	245.6	1.70	9.0...12.5	4.76	A 2	
12876	A 957	A. G. Hels. 1826	57 43	60 2	107.2	0.43	7.9...10.0	5.82	A 3	
12877	Hu 1034	DM (34°) 382	2 4 0	34 20	280.9	0.47	8.8...11.2	4.81	Hu 2	
12878	A 958	A. G. Hels. 1991	7 58	59 2	228.8	1.70	8.9...13.5	5.67	A 2	
12879	Hu 1035	DM (62°) 371	9 18	62 29	90.7	2.14	8.5...13.0	4.81	Hu 2	
12880	Hu 1036	DM (34°) 403	10 8	34 33	353.3	0.30	9.5... 9.5	4.61	Hu 3	
12880½	A 821	A. G. Hels. 2087	12 4	60 1	61.9	0.50	8.0...12.3	4.76	A 3	
12881	A 959	A. G. Leiden 849	12 6	30 48	359.2	3.98	9.0...12.0	5.83	A 2	
12882	Hu 1037	DM (62°) 379	12 59	62 53	324.4	0.55	9.0...10.0	4.93	Hu 3	
12883	Hu 1038	DM (63°) 323	13 58	63 27	50.7	3.43	9.0...13.2	4.81	Hu 2	
12884	A 960	A. G. Leiden 863	14 0	30 20	290.6	0.79	8.4...11.2	5.84	A 3	
12885	A 961	A. G. Camb. 1244	14 20	29 21	57.4	0.18	8.6... 8.6	5.87	A 3	
12886	A 962	A. G. Camb. 1252	15 15	29 29	64.3	0.56	8.9... 9.2	5.84	A 3	
12887	A 963	A. G. Hels. 2171	15 39	56 38	140.5	4.32	9.0...13.0	5.78	A 3	A and B
					306.5	1.00	...13.5	5.78	A 3	B and C
12888	Hu 1039	DM (61°) 406	16 11	61 58	107.7	1.29	8.5...12.8	4.94	Hu 3	
12889	A 964	A. G. Leiden 906	20 47	31 40	93.5	0.24	9.5...10.0	5.87	A 3	
12890	A 658	A. G. Bonn 2078	21 35	41 2	211.2	2.61	8.9...10.5	4.03	A 2	
12891	Hu 1040	DM (60°) 484	21 40	60 29	315.7	0.44	9.2... 9.7	4.81	Hu 2	
12892	A 659	A. G. Bonn 2082	21 54	40 42	267.3	0.79	9.0... 9.0	4.03	A 3	
12893	A 822	A. G. Hels. 2280	22 57	56 14	298.5	4.03	8.0...14.5	4.84	A 2	
12894	A 965	A. G. Camb. 1337	23 23	28 37	210.5	1.65	9.0...12.7	5.83	A 2	
12895	Hu 603	DM (22°) 353	23 25	22 26	226.8	5.31	8.5...11.8	1.85	Hu 2	
12896	A 966	DM (46°) 578	23 56	46 23	319.0	1.78	9.2...11.7	5.82	A 2	
12897	A 967	A. G. Bonn 2108	23 57	44 59	220.2	3.80	7.5...13.0	5.77	A 2	
12898	A 968	A. G. Bonn 2118	24 42	46 36	18.8	1.39	8.7... 9.0	5.77	A 2	
12899	A 660	A. G. Bonn 2120	25 6	42 7	303.3	0.25	8.0... 8.1	4.03	A 3	
12900	A 823	A. G. Hels. 2312	25 47	59 33	245.3	0.55	7.5...11.5	4.76	A 3	
12901	A 824	DM (59°) 508	26 10	60 11	276.4	0.70	9.6...10.0	4.83	A 2	
12902	Hu 1041	DM (64°) 337	2 29 33	64 54	72.2	0.26	8.2... 8.8	4.91	Hu 2	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900 +	Observer	Notes
12903	Hu 1042	DM (79°) 78	2h 31m 26s	79° 43′	107°.7	0″.86	9.0...12.2	4.85	Hu 2	
12904	Hu 1043	DM (14°) 438	33 25	15 0	58.1	3.00	9.0... 9.5	4.86	Hu 3	(= No. 1350)
12905	Hu 1044	DM (13°) 422	33 38	14 4	130.2	1.76	8.1... 9.7	4.86	Hu 3	
12906	A 969	A. G. Hels. 2438	34 59	59 52	102.2	0.52	9.0...10.0	4.91	A 2	
12907	A 970	A. G. Hels. 2447	35 41	58 28	100.2	5.12	7.2...13.5	5.75	A 2	
12908	A 825	A. G. Leiden 1020	37 26	31 22	128.6	1.43	8.6...12.5	4.83	A 2	
12909	A 971	A. G. Hels. 2485	38 1	57 13	79.8	0.20	8.8... 9.4	5.76	A 3	
12910	A 826	A. G. Leiden 1030	38 48	31 4	163.2	4.19	8.7...11.8	4.83	A 2	
12911	Hu 1045	DM (14°) 458	39 10	15 9	189.3	0.30	9.0...10.0	4.82	Hu 2	
12912	Hu 1046	DM (13°) 442	39 34	13 46	92.6	1.08	7.5...11.2	4.82	Hu 2	
12913	Hu 604	DM (35°) 563	42 9	35 55	210.3	1.92	9.0...11.0	3.38	Hu 3	
12914	A 972	A. G. Hels. 2540	42 45	56 14	102.9	0.76	8.9...11.7	5.76	A 3	
12915	A 973	A. G. Leiden 1077	47 28	31 9	230.4	0.42	9.0...10.5	5.84	A 2	
12916	A 974	A. G. Hels. 2632	49 15	58 11	177.6	2.32	8.8...13.0	5.77	A 2	
12917	Hu 1047	DM (12°) 410	50 9	12 46	36.4	0.35	8.5...10.2	4.78	Hu 3	
12918	Hu 1048	DM (14°) 497	51 50	14 18	312.5	3.20	9.0...14.2	4.74	Hu 2	
12919	A 827	DM (72°) 154	52 37	72 13	263.3	0.24	8.0... 8.1	4.88	A 3	
12920	Hu 1049	DM (79°) 90	53 2	80 2	41.8	1.08	8.7...12.5	4.85	Hu 2	
12921	Hu 1050	DM (64°) 358	53 11	64 22	135.7	0.38	9.3... 9.5	4.91	Hu 2	
12922	Hu 1051	DM (48°) 828	54 21	48 28	112.2	0.42	9.0...11.2	4.02	Hu 3	
12923	Hu 1052	DM (67°) 239	54 48	68 7	148.6	0.95	9.0...11.5	4.91	Hu 2	
12924	Hu 1053	DM (63°) 393	59 34	63 26	62.4	2.50	9.0...11.5	4.84	Hu 3	
12925	A 975	A. G. Hels. 2770	3 0 58	56 16	202.2	1.61	8.0...10.5	5.79	A 2	
12926	A 976	DM (69°) 202	5 21	70 8	247.2	0.92	9.0...11.0	5.13	A 2	
12927	Hu 1054	DM (65°) 330	6 0	65 51	268.3	0.41	8.8... 9.2	4.91	Hu 2	
12928	A 977	A. G. Hels. 2843	7 20	59 32	157.9	0.61	9.0...10.0	5.67	A 3	
12929	A 828	A. G. Leip. II. 1205	8 52	8 49	207.0	0.78	9.0...10.2	4.83	A 2	
12930	Hu 1055	DM (15°) 452	9 31	15 56	124.2	0.35	8.5... 9.0	4.69	Hu 3	
12931	Hu 1056	DM (66°) 253	10 32	66 52	282.1	0.55	8.1... 8.1	4.91	Hu 2	
12932	A 978	A. G. Hels. 2969	17 8	60 8	243.2	2.21	8.0...13.8	5.64	A 3	
12933	Hu 1057	DM (76°) 123	17 32	76 57	104.7	3.06	8.8...11.2	4.81	Hu 3	
12934	Hu 1058	DM (39°) 778	18 24	39 52	114.1	0.80	7.8... 8.5	4.99	Hu 2	
12935	A 979	A. G. Leiden 1299	19 38	30 23	269.2	1.44	9.2...10.0	5.83	A 2	
12936	A 980	A. G. Hels. 3003	20 15	59 54	175.6	0.34	6.8... 8.2	5.64	A 3	
12937	A 829	A. G. Leip. I. 1008	20 40	12 8	40.5	0.33	8.2... 9.7	4.85	A 3	
12938	A 981	DM (71°) 204	21 5	71 31	7.6	0.89	8.2...11.0	5.13	A 2	P.M. = 0″.023 in 142°.5 (Gr)
12939	Hu 1059	DM (37°) 772	22 3	37 18	169.7	0.99	8.6...13.5	4.91	Hu 2	
12940	A 982	A. G. Bonn 2921	22 28	46 36	234.8	3.50	10.8...13.8	4.76	A 2	BC (See No. 1715)
12941	A 983	A. G. Camb. 1712	24 53	29 16	307.8	0.48	8.5... 9.2	5.06	A 2	
12942	Hu 1060	DM (61°) 604	25 8	61 49	354.0	1.46	8.0...11.8	5.10	Hu 2	
12943	Hu 1061	DM (15°) 499	27 17	15 12	50.1	2.87	8.2...12.3	4.69	Hu 3	
12944	A 830	A. G. Leip. II. 1324	31 5	9 51	71.1	0.24	9.1... 9.3	4.85	A 3	
12945	Hu 1062	DM (63°) 438	31 17	63 33	234.2	0.19	8.5... 9.0	5.00	Hu 2	BC (AB = No. 1781)
12946	A 984	A. G. Chris. 618	32 44	69 31	347.4	0.44	7.4... 9.8	5.13	A 2	B and C
					73.6	3.08	7.2...	5.13	A 2	A and B = Σ 419 (No. 1788)
12947	Hu 1063	DM (62°) 599	34 0	62 37	334.6	2.84	9.0... 9.5	5.10	Hu 2	
12948	Hu 1064	DM (15°) 515	34 3	15 51	163.7	0.36	9.5... 9.5	4.69	Hu 2	
12949	A 985	A. G. Harvard 1557	34 17	52 58	42.2	3.75	9.0...10.0	5.83	A 2	
12950	Hu 1065	DM (14°) 591	34 38	14 44	343.8	3.18	9.2...12.0	4.72	Hu 3	
12951	A 986	A. G. Hels. 3155	34 43	59 15	310.9	0.26	9.2... 9.4	5.64	A 3	
12952	A 987	A. G. Camb. 1800	36 18	29 26	10.2	1.04	9.6... 9.7	5.83	A 2	
12953	A 988	A. G. Bonn 3115	36 58	47 9	143.3	3.83	8.9...13.8	4.88	A 2	
12954	A 989	A. G. Camb. 1808	37 18	29 16	2.3	3.05	9.5... 9.8	5.83	A 2	
12955	A 990	A. G. Hels. 3176	37 51	57 15	96.8	0.23	9.3... 9.6	5.73	A 3	
12956	Hu 1066	DM (20°) 631	41 11	20 28	268.8	1.20	9.0...10.3	4.75	Hu 3	
12957	A 991	A. G. Bonn 3175	3 41 41	46 23	319.4	1.60	8.1...12.3	5.81	A 3	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
12958	Hu 1067	DM (38°) 811	$3^{h}\ 42^{m}\ 59^{s}$	38°41′	74°.8	1″.40	8.8... 9.1	4.91	Hu 2	
12959	A 831	A. G. Leip. I. 1109	43 22	11 24	339.0	0.49	8.5... 9.3	4.85	A 3	
12960	A 832	A. G. Leip. I. 1110	43 38	11 21	109.2	1.88	9.0...10.2	4.83	A 2	
12961	Hu 1068	DM (76°) 142	44 1	77 7	143.8	0.43	8.2... 9.2	4.96	Hu 3	
12962	Hu 1069	DM (63°) 459	44 48	63 57	28.0	2.16	9.0...12.8	4.73	Hu 2	
12963	A 992	A. G. Bonn 3236	46 39	46 9	197.4	2.98	8.5...11.2	5.81	A 3	
12964	A 993	A. G. Bonn 3244	47 26	45 29	40.5	1.22	8.0...13.0	5.87	A 2	
12965	Hu 1070	DM (78°) 136	47 45	78 43	137.9	3.90	8.8...10.8	4.85	Hu 2	
12966	A 994	DM (71°) 224	48 4	71 35	5.2	0.62	9.1... 9.3	5.13	A 2	
12967	A 995	A. G. Bonn 3299	52 52	44 37	277.9	2.74	8.7...13.2	5.87	A 2	
12968	Hu 1071	DM (62°) 640	53 12	62 14	226.9	2.03	8.0... 9.0	4.99	Hu 2	(= No. 1964)
12969	Hu 1072	DM (63°) 473	53 44	63 14	127.3	1.03	8.6...13.0	4.73	Hu 2	
12970	A 996	A. G. Bonn 3331	55 33	46 43	278.6	1.09	8.1...11.2	5.81	A 3	
12971	Hu 1073	DM (64°) 424	57 22	64 44	164.8	0.85	8.4...11.5	4.91	Hu 2	
12972	A 997	A. G. Bonn 3370	58 36	45 21	180.5	1.19	8.6...12.5	5.73	A 3	
12973	Hu 1074	DM (61°) 677	59 15	61 24	263.6	4.37	9.0...10.2	4.91	Hu 2	
12974	Hu 1075	DM (64°) 426	4 1 29	63 14	156.3	2.42	8.6...12.8	5.00	Hu 3	
12975	A 998	A. G. Bonn 3409	1 45	45 58	332.9	0.33	7.9... 8.2	5.81	A 3	
12976	A 833	A. G. Hels. 3404	2 12	60 6	358.8	2.50	8.4...11.2	4.89	A 2	
12977	Hu 1076	DM (32°) 727	2 22	32 11	234.5	0.51	9.2...10.7	4.66	Hu 3	
12978	Hu 607	DM (33°) 798	2 32	33 49	328.9	4.87	9.0...12.0	3.03	Hu 3	
12979	Hu 1077	DM (21°) 606	6 17	21 17	101.7	4.06	8.2...13.0	1.77	Hu 2	
12980	A 999	A. G. Bonn 3481	7 35	44 57	66.8	0.85	8.7...11.8	5.73	A 3	
12981	A 1000	A. G. Bonn 3518	10 52	45 21	270.5	2.01	8.5...13.3	5.73	A 3	
12982	A 1001	A. G. Bonn 3542	13 16	45 45	180.5	2.91	9.0...13.0	5.73	A 3	
12983	A 1002	A. G. Bonn 3544	13 16	45 12	251.3	0.18	9.4... 9.4	5.75	A 3	
12984	Hu 1078	DM (36°) 873	13 35	36 14	149.1	0.55	9.1...11.0	4.91	Hu 2	
12985	A 1003	DM (71°) 251	16 15	71 35	41.0	1.90	9.2...10.7	5.13	A 2	
12986	A 834	A. G. Hels. 3533	17 11	56 9	220.5	0.37	8.2... 8.8	4.90	A 3	
12987	A 1004	DM (71°) 254	17 49	71 27	203.2	4.58	8.0...13.7	5.13	A 2	P.M. = 0″.034 in 91°.7 (Gr)
12988	A 1005	A. G. Leiden 1681	19 13	31 56	207.2	0.80	8.3...10.5	5.84	A 2	
12989	A 835	DM (72°) 226	21 5	72 26	326.3	0.28	8.7... 9.3	4.84	A 3	A and B }
					226.0	4.17	...12.0	4.84	A 3	AB and C }
12990	Hu 1079	DM (62°) 684	22 29	62 19	172.5	0.74	8.5... 9.1	5.10	Hu 2	
12991	A 1006	A. G. Chris. 734	22 33	70 15	346.3	0.46	8.7... 9.5	5.13	A 2	
12992	Hu 1080	DM (15°) 633	23 16	15 56	263.1	0.44	6.5... 7.5	4.81	Hu 3	(See No. 2230.)
12993	A 1007	A. G. Bonn 3651	23 36	45 37	156.4	0.27	9.5...10.0	5.85	A 3	P.M. = 0″.157 in 106°.7
12994	A 1008	A. G. Hels. 3588	23 46	57 0	138.4	3.14	8.4...12.2	4.91	A 2	
12995	A 1009	DM (70°) 306	24 44	70 31	182.2	0.29	8.4... 9.4	5.13	A 2	
12996	Hu 1081	DM (13°) 692	25 55	13 8	295.0	0.75	8.3...11.0	4.82	Hu 2	
12997	Hu 1082	DM (38°) 912	28 6	38 56	159.8	0.32	8.7... 9.2	4.91	Hu 2	
12998	Hu 1083	DM (62°) 692	28 27	62 46	144.1	0.24	8.5...10.5	4.94	Hu 2	B and C (AB = Σ 557)
12999	Hu 1084	DM (39°) 1030	28 51	39 32	43.7	0.70	8.3... 8.7	4.91	Hu 2	
13000	A 836	DM (—1°) 669	29 15	— 0 58	201.8	2.22	9.0...10.0	4.90	A 2	
13001	Hu 1085	DM (62°) 695	30 15	63 1	204.0	3.77	8.0...12.5	4.86	Hu 2	
13002	A 1010	A. G. Bonn 3733	30 38	44 30	336.2	0.49	8.5... 9.3	5.75	A 3	
13003	A 1011	A. G. Bonn 3738	30 52	44 15	58.4	0.21	8.9...10.2	5.78	A 3	
13004	A 837	A. G. Nico. 1025	32 13	0 5	343.4	2.20	8.4...11.0	4.90	A 2	
13005	A 838	DM (72°) 235	32 24	72 37	11.4	0.97	8.7... 9.1	4.86	A 2	
13006	Hu 1086	DM (63°) 526	32 51	63 37	357.6	0.41	9.4... 9.8	4.97	Hu 3	
13007	A 1012	A. G. Chris. 757	33 20	68 54	319.2	1.44	8.5...10.8	5.13	A 2	
13008	A 839	A. G. Nico. 1039	33 49	— 0 1	302.2	1.86	8.8...12.0	4.90	A 2	
13009	A 1013	A. G. Hels. 3693	34 38	59 20	311.1	0.46	7.2... 7.2	5.64	A 3	
13010	A 1014	A. G. Hels. 3695	34 38	57 0	296.6	0.25	8.6... 8.6	5.82	A 3	
13011	A 1015	A. G. Hels. 3741	4 37 25	57 5	111.2	1.92	9.0...11.0	5.79	A 2	A and B }
					269.1	5.00	...12.2	5.79	A 2	A and C }

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900 +	Observer	Notes
13012	A 1016	DM (84°) 91	$4^h\ 41^m\ 42^s$	84°14′	203°3	0″41	9.2... 9.8	5.42	A 2	
13013	Hu 1087	DM (67°) 354	43 40	67 19	110.6	1.33	8.0...12.5	5.19	Hu 2	
13014	A 1017	A. G. Nico. 1092	44 2	−0 9	349.0	0.79	9.1...11.0	5.77	A 3	
13015	Hu 1088	DM (60°) 845	46 8	60 54	158.4	2.58	8.5...11.8	4.86	Hu 2	
13016	Hu 1089	DM (36°) 962	48 16	36 43	14.1	0.80	9.0...10.2	4.91	Hu 2	
13017	A 1018	DM (−1°) 751	49 43	−1 17	234.7	0.41	9.8...10.0	5.78	A 3	
13018	Hu 1090	DM (63°) 551	49 44	63 13	327.6	0.16	8.5... 8.9	4.94	Hu 2	
13019	Hu 1091	DM (39°) 1112	49 51	39 8	34.8	0.77	8.8... 9.2	4.92	Hu 3	
13020	A 1019	A. G. Nico. 1131	49 58	−0 42	120.5	0.22	9.2... 9.2	5.78	A 3	A and B
					68.2	4.11	... 9.2	5.78	A 2	AB and C = Σ 614
13021	Hu 1092	DM (33°) 929	50 34	34 4	19.1	0.63	8.6...10.5	4.74	Hu 3	= Ho 16 (No. 2422)
13022	Hu 1093	DM (60°) 853	52 36	60 56	5.7	5.48	7.0...12.5	4.99	Hu 2	
13023	A 840	DM (74°) 232	53 9	74 17	349.0	1.10	9.0...10.0	4.86	A 2	
13024	Hu 1094	DM (62°) 724	55 9	62 29	220.5	0.48	9.2... 9.4	4.99	Hu 2	
13025	A 1020	A. G. Hels. 3855	55 52	58 43	226.8	0.34	9.6...10.2	5.84	A 2	B and C
					115.9	4.73	... 9.2	5.81	A 1	A and BC = Σ 625
13026	A 841	A. G. Kasan 828	56 29	75 33	215.9	0.48	9.0... 9.8	4.88	A 3	B and C
					340.1	48.82	7.3...	4.87	A 1	A and BC
13027	A 1021	DM (−1°) 780	57 9	−1 2	58.2	0.80	9.5... 9.5	5.82	A 2	
13028	A 1022	A. G. Bonn 4091	57 28	44 49	165.9	0.63	9.1... 9.2	5.75	A 3	A and B
					274.3	8.85	...13.5	5.73	A 1	AB and C
					322.6	12.20	...13.7	5.73	A 1	AB and D
13029	A 1023	A. G. Bonn 4097	58 2	46 47	66.9	0.35	6.7... 8.2	5.80	A 3	P.M. = 0″028 in 284°7 (Gr)
13030	A 1024	A. G. Camb. 2275	58 6	29 29	354.8	0.48	8.1... 8.9	5.02	A 3	
13031	A 1025	A. G. Hels. 3873	58 19	59 12	17.1	0.43	8.4... 9.5	5.86	A 3	
13032	Hu 1095	DM (39°) 1169	58 31	39 54	358.2	0.34	7.8... 9.0	4.91	Hu 2	
13033	Hu 1096	DM (67°) 364	58 32	67 40	265.4	1.17	9.2... 9.3	5.19	Hu 2	
13034	A 1026	A. G. Camb. 2281	58 36	29 50	41.6	1.01	7.8...11.0	5.02	A 3	
13035	A 1027	A. G. Hels. 3892	5 0 17	58 32	315.6	2.30	8.8...13.4	5.84	A 2	
13036	A 842	A. G. Kasan 840	0 23	75 20	217.8	1.35	8.7...11.0	4.88	A 3	B and C
					283.9	49.37	8.5...	4.87	A 1	A and B
13037	Hu 1097	DM (76°) 190	0 30	76 21	113.3	1.51	6.5...11.0	4.85	Hu 2	P.M. = 0″026 in 90° (Gr)
13038	A 1028	A. G. Camb. 2294	0 38	29 56	244.2	0.42	8.5... 9.1	5.05	A 2	
13039	A 1029	A. G. Hels. 3907	1 50	56 57	11.0	1.50	8.0...12.0	5.84	A 2	
13040	Hu 1098	DM (61°) 763	3 12	61 20	110.8	0.89	8.9... 9.1	4.99	Hu 2	
13041	Hu 1099	DM (64°) 504	3 15	64 37	43.8	0.52	8.6... 8.9	5.19	Hu 2	
13042	Hu 1100	DM (39°) 1215	6 59	39 51	306.3	3.57	9.0...11.0	4.91	Hu 2	
13043	A 1030	A. G. Hels. 3950	7 40	57 15	227.8	0.62	8.8...11.8	5.89	A 2	
13044	A 1031	A. G. Bonn 4255	7 46	47 3	349.2	0.45	7.0...10.3	5.82	A 3	
13045	Hu 1101	DM (39°) 1236	10 18	39 21	286.9	0.40	7.0... 9.0	4.91	Hu 2	
13046	Hu 613	DM (32°) 937	11 0	33 1	234.7	2.61	8.5...12.5	2.63	Hu 3	
13047	A 843	DM (73°) 283	11 2	73 41	30.0	0.68	8.5...10.8	4.90	A 3	
13048	A 844	A. G. Nico. 1254	11 21	−1 45	350.7	0.22	8.8... 9.1	4.86	A 3	
13049	A 845	DM (73°) 286	13 19	74 0	126.0	1.42	9.0... 9.8	4.89	A 2	
13050	A 846	DM (74°) 241	14 37	74 28	342.2	0.98	7.0...10.5	4.90	A 3	P.M. = 0″043 in 18°4 (Gr)
13051	Hu 614	DM (32°) 957	15 18	32 24	3.5	3.48	8.8...11.5	2.55	Hu 2	
13052	Hu 1102	DM (39°) 1290	17 23	39 33	28.8	0.57	8.9... 8.9	4.91	Hu 2	(= β 1317)
13053	Hu 1103	DM (66°) 394	17 36	66 36	121.5	1.85	9.1...13.0	5.19	Hu 2	
13054	Hu 1104	DM (37°) 1178	18 10	37 10	221.2	0.81	8.5... 9.1	4.91	Hu 2	
13055	A 847	A. G. Nico. 1297	18 46	−0 58	141.5	0.25	8.0... 8.1	4.85	A 3	B and C
					160.5	1.87	7.8...	4.85	A 3	A and BC = No. 2706
13056	A 1032	A. G. Camb. 2445	18 55	30 4	279.5	0.90	8.5...11.7	5.05	A 2	
13057	A 1033	A. G. Leiden 2052	19 54	30 15	322.2	0.34	9.0... 9.0	5.30	A 3	
13058	Hu 1105	DM (62°) 756	20 20	62 37	239.9	3.06	8.5...10.0	4.87	Hu 2	
13059	A 848	A. G. Nico. 1302	20 25	−0 38	35.6	0.22	7.5... 8.1	4.88	A 3	
13060	A 1034	DM (70°) 355	5 20 48	70 44	271.4	0.32	8.1... 8.6	5.77	A 2	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900 +	Observer	Notes
13061	A 1035	A. G. Leiden 2097	$5^h\ 22^m\ 57^s$	31°21′	120°.0	0″.98	8.5...10.5	5.05	A 2	
13062	A 849	A. G. Nico. 1336	23 52	− 1 51	94.1	0.68	9.0...10.2	4.83	A 2	
13063	Hu 1106	DM (38°) 1190	24 14	38 29	339.4	2.13	8.8...11.2	4.91	Hu 2	
13064	A 850	A. G. Nico. 1346	24 36	− 0 53	155.0	2.14	8.1...12.5	4.83	A 2	
13065	A 851	A. G. Nico. 1347	24 38	0 6	307.6	1.72	9.0...13.5	4.83	A 2	
13066	A 852	A. G. Nico. 1355	25 39	− 0 27	164.1	0.25	8.8... 9.3	4.85	A 3	
13067	Hu 1107	DM (64°) 536	27 34	64 5	48.8	1.33	6.5...10.5	5.19	Hu 2	P.M. = 0″.076 in 179°.5 (Gr)
13068	Hu 1108	DM (39°) 1343	28 5	39 37	150.6	1.37	9.5... 9.7	5.09	Hu 2	
13069	A 1036	A. G. Bonn 4562	28 6	44 52	186.4	3.77	8.5...12.2	5.74	A 2	
13070	A 853	A. G. Nico. 1380	28 45	− 0 9	62.8	0.88	13.7...14.7	4.87	A 2	B and C
					215.9	21.51	8.8...	4.85	A 1	A and B
13071	A 1037	DM (73°) 298	29 41	73 56	358.5	0.82	6.8...11.5	4.89	A 2	P.M. = 0″.019 in 81°.1 (Gr)
13072	A 1038	A. G. Bonn 4630	33 4	44 18	189.8	0.42	9.1... 9.5	5.75	A 3	
13073	Hu 1109	DM (66°) 405	33 21	66 29	158.1	0.24	8.8... 9.6	5.19	Hu 2	A and B. (AC = Σ 739)
13074	A 1039	A. G. Camb. 2607	35 41	28 11	75.4	0.45	9.0...10.3	5.52	A 3	
13075	Hu 1110	DM (37°) 1306	38 2	37 32	250.3	0.98	8.3...11.5	5.09	Hu 2	
13076	A 1040	A. G. Leiden 2255	38 14	31 16	130.7	0.69	8.2... 9.3	5.52	A 3	
13077	Hu 1111	DM (63°) 605	38 9	63 16	88.8	1.82	8.8...13.3	5.01	Hu 3	
13078	A 1041	A. G. Camb. 2675	39 42	26 4	229.0	0.59	8.9...11.2	5.76	A 3	
13079	Hu 1112	DM (82°) 152	40 18	82 44	322.6	0.23	7.5... 8.2	5.02	Hu 2	
13080	A 1042	A. G. Bonn 4745	42 11	44 15	304.9	4.00	9.0...14.1	5.77	A 2	A and B
					133.6	9.50	...13.2	5.77	A 2	A and C
13081	A 1043	A. G. Bonn 4751	42 45	45 4	246.0	2.20	7.9...13.5	5.74	A 2	
13082	Hu 1113	DM (60°) 906	43 16	60 50	249.0	1.35	9.2... 9.4	5.01	Hu 2	
13083	A 1044	A. G. Nico. 1478	43 49	− 0 42	312.0	3.76	8.5...12.2	5.80	A 2	
13084	A 1045	A. G. Leiden 2328	45 18	30 43	314.8	0.71	8.2...11.5	5.72	A 2	
13085	Hu 1114	DM (64°) 554	45 59	64 18	264.6	1.40	9.2...10.0	5.19	Hu 2	
13086	A 1046	DM (31°) 1134	48 0	31 8	292.2	3.23	9.0...13.3	5.68	A 3	A and B
					264.5	9.77	...14.2	5.68	A 3	A and C
13087	Hu 1115	DM (61°) 839	49 56	61 7	268.3	0.67	8.6... 9.6	5.01	Hu 2	
13088	Hu 1116	DM (63°) 619	51 30	63 37	311.0	1.09	8.8... 9.2	5.06	Hu 2	
13089	A 1047	A. G. Nico. 1508	51 47	− 1 11	319.5	0.76	8.4...10.3	5.81	A 3	
13090	Hu 1117	DM (64°) 557	52 27	64 58	35.1	1.40	8.5...12.2	5.19	Hu 2	
13091	Hu 1118	DM (37°) 1420	6 1 18	37 15	178.9	2.66	9.1... 9.7	5.33	Hu 2	
13092	A 1048	A. G. Nico. 1548	1 19	− 0 57	284.4	2.84	8.0...13.2	5.80	A 2	
13093	A 1049	A. G. Chris. 988	1 44	68 56	34.8	2.48	8.9...11.0	5.77	A 2	
13094	Hu 1119	DM (67°) 420	8 7	67 46	44.6	0.26	8.7...10.0	5.13	Hu 2	
13095	A 667	DM (30°) 1163	8 32	30 55	356.5	1.08	9.6... 9.7	4.45	A 2	
13096	Hu 828	DM (82°) 168	13 39	82 36	104.6	1.17	8.8... 9.0	5.02	Hu 2	
13097	A 1050	DM (73°) 334	15 57	73 2	185.6	1.18	8.9...10.2	5.51	A 3	A and B
					230.7	55.86	...11.0	4.99	A 1	A and C = No. 3321
13098	Hu 829	DM (32°) 1268	16 2	32 48	324.6	2.99	8.0...11.5	4.81	Hu 2	
13099	Hu 830	DM (32°) 1275	17 8	32 23	229.8	0.69	8.7...12.5	4.81	Hu 2	
13100	Hu 831	DM (35°) 1401	18 44	35 47	263.0	0.20	9.0... 9.2	4.73	Hu 2	
13101	Hu 832	DM (33°) 1329	21 50	33 13	4.9	2.46	8.5...14.7	4.81	Hu 2	
13102	A 854	A. G. Nico. 1703	24 39	− 0 2	161.0	2.00	8.5...12.0	4.90	A 2	
13103	A 855	A. G. Nico. 1709	25 28	− 0 19	28.7	2.58	9.0...12.2	4.90	A 2	
13104	A 1051	A. G. Bonn 5361	29 30	44 20	228.8	0.63	9.5... 9.6	5.80	A 3	
13105	A 1052	A. G. Camb. 3354	30 5	25 2	91.0	1.60	9.0...10.5	5.52	A 2	
13106	A 1053	A. G. Camb. 3419	34 18	25 10	346.4	1.00	8.8...10.2	5.52	A 2	
13107	A 1054	A. G. Bonn 5429	34 30	44 7	320.8	1.84	9.2... 9.2	5.85	A 2	
13108	A 1055	A. G. Vienna 2101	36 32	− 7 4	281.1	2.64	7.2...14.5	5.15	A 2	
13109	A 1056	A. G. Vienna 2152	43 19	− 9 41	80.1	0.35	9.4... 9.4	5.85	A 3	
13110	A 1057	A. G. Vienna 2163	43 45	− 8 26	101.0	1.14	9.5... 9.5	5.82	A 2	
13111	A 1058	SD (8°) 1569	44 37	− 8 33	202.2	0.50	9.2...10.2	5.86	A 2	
13112	Hu 833	DM (35°) 1520	6 48 57	35 18	168.7	2.56	9.2...11.8	4.72	A 2	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
13113	A 1059	DM (85°) 105	6^h 48^m 59^s	85°55′	186°.3	0″.71	8.2...10.0	5.32	A 2	
13114	Hu 617	DM (50°) 1371	49 1	50 8	139.5	1.13	9.5... 9.5	2.99	Hu 2	
13115	Hu 834	DM (66°) 476	50 0	66 30	13.0	1.18	9.1...10.8	5.13	Hu 2	
13116	A 1060	A. G. Vienna 2243	50 32	− 6 17	293.2	0.51	9.0...10.5	5.86	A 2	A and B
13117	A 1061	A. G. Camb. 3646	53 13	25 22	313.8	0.27	8.2... 8.5	4.95	A 2	AB and C = Σ 1000
					66.8	22.29	... 9.0	4.94	A 1	
13118	A 1062	A. G. Vienna 2321	54 49	− 8 15	154.3	0.72	8.4... 9.6	5.15	A 2	
13119	Hu 835	DM (77°) 272	54 52	77 53	338.4	0.82	9.0... 9.4	4.85	Hu 2	A and B
13120	A 1063	SD (8°) 1666	55 48	− 8 44	225.6	2.42	9.4...13.5	5.48	A 2	A and C
					254.2	6.76	...10.0	5.48	A 2	
13121	A 1064	A. G. Berlin B 2750	57 55	24 23	174.6	4.90	8.3...14.7	4.95	A 2	
13122	A 1065	DM (24°) 1521	59 19	24 53	344.2	0.24	9.5... 9.5	5.24	A 3	
13123	A 1066	SD (7°) 1718	59 30	− 7 44	148.4	1.40	9.3...11.3	5.60	A 3	
13124	Hu 836	DM (33°) 1471	7 0 5	33 13	308.4	1.59	9.1...11.3	3.72	Hu 2	
13125	Hu 837	DM (63°) 692	1 16	63 29	295.2	3.29	8.3...12.8	2.94	Hu 2	
13126	A 1067	A. G. Vienna 2419	1 24	− 9 8	94.2	0.75	8.5...10.0	5.15	A 2	
13127	A 1068	A. G. Bonn 5798	4 22	45 12	123.5	2.72	8.8...11.0	5.58	A 2	
13128	Hu 838	DM (64°) 623	4 25	64 2	63.4	1.92	9.0...13.0	4.94	Hu 3	
13129	Hu 839	DM (82°) 207	4 45	82 53	146.4	0.37	8.9... 9.8	5.02	Hu 2	
13130	Hu 1120	DM (35°) 1570	5 18	35 9	228.0	4.02	8.2...12.8	5.07	Hu 2	
13131	Hu 620	DM (0°) 1913	16 2	0 12	114.9	0.86	8.8... 8.8	1899.11	Hu 2	
13132	Hu 840	DM (65°) 572	17 10	65 8	88.8	0.97	8.0...11.7	5.02	Hu 3	
13133	A 1069	A. G. Kasan 1354	18 56	75 32	349.9	0.51	8.0... 9.4	5.28	A 3	
13134	A 1070	DM (72°) 367	23 10	72 40	206.4	1.72	8.8...11.0	5.26	A 2	
13135	A 673	A. G. Leiden 3165	24 34	30 47	341.5	0.38	8.7... 8.8	4.27	A 2	
13136	Hu 841	DM (66°) 518	30 17	66 16	119.5	0.31	9.0... 9.0	4.94	Hu 2	AB (AC = Σ 1118 *rej.*)
13137	Hu 842	DM (39°) 1978	30 39	39 5	16.3	0.42	7.7...10.0	4.90	Hu 3	
13138	A 1071	A. G. Vienna 2763	32 7	− 8 32	354.5	1.64	8.9... 9.0	5.15	A 2	
13139	Hu 843	DM (65°) 585	33 19	65 14	79.9	0.65	8.1...10.8	5.04	Hu 3	
13140	Hu 1121	DM (62°) 950	34 24	62 46	132.6	0.70	8.2...12.0	5.21	Hu 2	
13141	Hu 844	SD (16°) 2100	39 36	−16 41	140.1	0.24	8.0... 8.5	4.81	Hu 3	
13142	Hu 845	DM (21°) 1683	41 7	20 59	143.0	0.39	8.0...11.0	4.77	Hu 2	
13143	Hu 846	DM (66°) 530	46 53	66 49	332.3	0.50	8.8... 9.5	4.94	Hu 2	
13144	A 1072	A. G. Hels. 5277	47 16	58 46	329.9	0.30	8.6... 8.7	5.90	A 3	
13145	A 675	A. G. Leiden 3322	48 16	31 15	121.8	0.40	8.7... 9.1	4.27	A 2	
13146	Hu 847	DM (20°) 1958	52 23	20 26	24.6	0.49	9.0... 9.8	4.77	Hu 2	
13147	A 1073	A. G. Hels. 5357	56 43	58 42	128.3	0.36	8.7... 9.1	5.90′	A 3	
13148	Hu 848	DM (14°) 1811	57 49	13 57	154.5	1.89	7.8...13.0	5.11	Hu 2	
13149	A 1074	DM (74°) 348	59 23	74 39	32.9	0.45	8.0... 9.0	5.28	A 3	
13150	Hu 623	SD (13°) 2381	8 0 52	−13 17	63.5	5.32	7.5...13.0	0.22	Hu 2	
13151	A 1075	A. G. Hels. 5389	0 53	58 16	66.3	2.30	8.7...11.0	5.88	A 2	
13152	Hu 849	DM (37°) 1827	2 25	37 31	286.0	1.26	8.8... 9.0	4.93	Hu 2	
13153	Hu 850	DM (37°) 1828	2 48	37 52	1.5	0.73	8.7... 9.1	4.93	Hu 2	
13154	Hu 1122	DM (38°) 1876	4 54	38 25	166.3	2.69	9.0...10.0	5.25	Hu 2	
13155	Hu 851	DM (13°) 1859	5 16	13 45	230.5	2.27	7.6...14.0	5.16	Hu 2	
13156	Hu 1123	DM (36°) 1769	8 18	36 48	161.6	0.47	8.5... 8.8	5.25	Hu 2	
13157	A 1076	A. G. Vienna 3148	11 22	− 7 40	257.5	1.07	8.9...11.2	5.09	A 3	
13158	Hu 1124	DM (49°) 1723	11 45	49 45	109.6	3.50	8.0...12.1	5.01	Hu 2	
13159	Hu 852	DM (36°) 1798	15 10	36 34	359.2	2.01	9.0...12.8	4.93	Hu 2	
13160	Hu 853	DM (65°) 629	15 24	65 13	114.4	0.32	8.8... 9.0	5.13	Hu 2	
13161	Hu 854	DM (65°) 630	15 33	65 48	215.2	1.45	9.2... 9.5	5.13	Hu 2	
13162	Hu 855	DM (13°) 1905	16 54	13 28	227.7	1.03	9.2...10.8	5.11	Hu 2	
13163	A 1077	A. G. Vienna 3197	16 56	− 8 6	89.0	0.42	9.0... 9.0	5.15	A 2	
13164	Hu 856	DM (37°) 1856	18 53	37 43	264.7	0.25	7.5... 8.2	4.93	Hu 2	
13165	A 1078	DM (85°) 127	19 8	85 3	53.1	1.04	9.1... 9.2	5.33	A 3	
13166	A 1079	DM (73°) 424	8 28 33	73 35	350.7	0.23	8.8... 8.8	5.48	A 3	A and B
					177.8	0.48	...10.0	5.58	A 2	AB and C

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900+	Observer	Notes
13167	Hu 857	DM (15°) 1850	8^h 30^m 0^s	14°59′	223°2	4″57	9.0...11.5	4.15	Hu 2	
13168	Hu 858	DM (12°) 1878	32 42	12 19	157.7	0.76	9.1... 9.8	5.15	Hu 2	
13169	Hu 1125	DM (33°) 1770	46 24	32 51	273.5	3.88	6.0...13.5	5.06	Hu 2	
13170	A 1080	A. G. Vienna 3461	48 37	− 6 13	331.0	1.06	8.8...11.0	5.15	A 2	
13171	Hu 859	DM (37°) 1929	50 41	37 38	203.8	0.28	7.9... 9.5	4.95	Hu 4	
13172	Hu 860	DM (37°) 1931	51 40	37 49	12.4	0.34	9.3... 9.8	4.99	Hu 2	
13173	Hu 861	DM (14°) 2007	52 14	14 37	22.7	0.36	8.5... 9.1	5.15	Hu 2	
13174	Hu 862	DM (14°) 2012	54 41	14 14	60.6	0.49	9.0...10.5	4.15	Hu 2	
13175	Hu 863	DM (15°) 1962	56 30	16 59	346.5	1.34	8.6...13.5	5.15	Hu 2	
13176	Hu 864	DM (83°) 240	56 48	83 17	5.0	0.83	9.2... 9.5	5.02	Hu 2	
13177	Hu 865	DM (36°) 1906	59 28	36 31	5.7	0.28	9.4... 9.8	4.99	Hu 2	
13178	Hu 1126	DM (65°) 689	59 47	65 41	37.0	4.01	9.0...11.8	5.21	Hu 2	
13179	Hu 866	DM (12°) 1973	9 2 46	12 21	11.1	2.59	7.5...13.5	5.15	Hu 2	
13180	Hu 867	DM (13°) 2048	4 2	13 46	183.1	2.26	8.0...13.0	5.15	Hu 2	
13181	A 1081	DM (85°) 142	6 51	85 38	245.3	0.24	8.3... 9.2	5.51	A 3	
13182	A 1082	A. G. Vienna 3639	15 44	− 7 16	159.8	0.75	8.8...10.2	5.15	A 3	
13183	Hu 868	DM (14°) 2083	17 36	14 36	54.5	4.18	9.0...13.5	5.17	Hu 2	
13184	A 1083	A. G. Vienna 3649	17 37	− 8 2	59.4	4.05	8.3...11.5	5.14	A 2	
13185	Hu 869	DM (15°) 2043	19 38	15 15	295.2	0.26	9.4... 9.6	5.17	Hu 2	
13186	Hu 871	DM (12°) 2041	23 5	12 38	148.5	1.30	9.0...13.5	5.17	Hu 2	
13187	Hu 870	DM (78°) 312	26 9	78 41	219.9	1.43	8.7...13.5	5.18	Hu 2	
13188	Hu 1127	DM (37°) 2000	27 38	37 0	36.6	0.58	9.0...10.0	5.14	Hu 2	
13189	Hu 1128	11 Leonis Min.	29 41	36 16	35.1	5.85	5.5...14.0	5.14	Hu 2	P.M. = 0″767 in 250°9 (Porter)
13190	A 1084	A. G. Chris. 1511	30 18	69 44	247.6	3.27	8.0...15.2	5.23	A 2	
13191	Hu 872	DM (12°) 2070	32 18	12 20	330.7	2.41	9.0... 9.5	5.16	Hu 2	(= H 165) See No. 5489
13192	Hu 873	DM (15°) 2093	33 39	15 44	41.6	4.11	8.7...14.0	5.16	Hu 2	
13193	A 1085	DM (70°) 596	59 22	70 21	256.9	0.51	8.5...10.3	5.23	A 3	
13194	Hu 1129	DM (61°) 1170	10 5 40	61 1	309.9	0.66	7.7...12.7	5.10	Hu 3	
13195	Hu 874	DM (14°) 2217	6 16	13 51	289.3	0.22	7.2... 8.0	5.16	Hu 3	
13196	Hu 875	DM (38°) 2125	12 29	38 1	73.5	0.95	7.0... 9.8	5.01	Hu 2	
13197	Hu 876	DM (13°) 2244	16 44	12 56	129.8	2.04	9.0...14.0	5.17	Hu 2	(= β 1321)
13198	Hu 1130	DM (61°) 1188	19 26	61 9	134.1	0.92	8.9...10.5	5.02	Hu 2	
13199	A 1086	A. G. Chris. 1616	19 40	67 53	213.9	1.41	8.5... 9.5	5.26	A 2	
13200	Hu 877	DM (37°) 2076	19 44	37 17	259.3	1.74	8.7...11.5	4.92	Hu 2	
13201	Hu 1131	DM (61°) 1190	20 15	61 21	204.9	0.68	8.9...11.8	5.02	Hu 2	
13202	Hu 878	DM (81°) 341	21 48	81 25	16.9	3.41	9.0...11.5	5.02	Hu 2	
13203	Hu 879	31 Leonis Min.	22 6	37 13	231.0	0.45	4.0... 6.5	4.97	Hu 3	P. M. = 0″154 in 240°1 (Auwers)
13204	Hu 880	DM (37°) 2090	25 27	37 38	121.4	0.74	9.0... 9.7	4.92	Hu 2	
13205	Hu 881	DM (36°) 2082	27 14	35 54	136.7	4.23	9.0...12.5	5.07	Hu 1	
13206	Hu 1132	DM (64°) 806	34 48	64 46	306.5	0.53	9.2... 9.8	5.24	Hu 2	
13207	Hu 882	DM (37°) 2113	36 50	37 36	281.5	3.40	9.0...12.8	5.01	Hu 2	
13208	Hu 883	DM (80°) 347	50 41	80 13	75.9	3.77	7.5...12.0	5.02	Hu 2	
13209	Hu 884	DM (15°) 2282	58 58	14 47	223.2	4.07	8.0...13.8	5.16	Hu 2	
13210	Hu 885	DM (15°) 2288	11 1 14	14 49	291.6	2.17	8.8... 9.3	5.16	Hu 2	
13211	Hu 886	DM (77°) 423	1 25	76 58	170.9	1.06	9.4... 9.4	5.18	Hu 2	
13212	A 677	A. G. Camb. 5647	3 27	25 12	243.6	4.79	6.0...14.5	4.40	A 2	
13213	A 1087	DM (70°) 651	4 7	70 27	89.5	0.30	8.2... 8.6	5.26	A 3	
13214	Hu 1133	DM (67°) 699	20 44	67 27	356.6	0.46	8.1...10.0	5.24	Hu 2	
13215	Hu 1134	DM (37°) 2192	26 52	36 48	122.2	0.09	7.0... 7.0	5.07	Hu 2	
13216	Hu 887	DM (36°) 2198	29 54	35 57	303.0	1.52	8.2...11.0	5.03	Hu 2	
13217	Hu 888	DM (21°) 2345	37 39	21 38	148.7	0.74	8.4... 8.9	4.42	Hu 2	
13218	Hu 1135	DM (38°) 2271	37 52	37 48	343.1	0.27	8.8... 9.6	5.07	Hu 2	
13219	Hu 889	DM (37°) 2219	45 49	37 27	287.6	0.71	8.8...10.8	5.04	Hu 2	
13220	A 680	A. G. Camb. 5937	52 46	25 31	321.3	0.42	8.4...10.2	4.46	A 2	
13221	A 1088	A. G. Chris. 1843	55 28	69 45	223.3	0.34	7.1... 7.9	5.26	A 3	
13222	Hu 890	DM (12°) 2413	11 56 15	11 53	65.2	1.54	9.0...10.0	5.17	Hu 2	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitudes	Epoch 1900 +	Observer	Notes
13223	Hu 1136	DM (63°) 999	12^h 0^m 37^s	63°30′	223°.2	1″.90	6.0...11.4	5.25	Hu 3	P.M. = 0″.101 in 216°.6 (Gr)
13224	Hu 891	DM (79°) 387	9 5	79 0	12.3	2.63	9.0... 9.1	5.18	Hu 2	
13225	Hu 1137	DM (12°) 2437	9 15	12 23	15.2	1.27	8.8...13.2	5.25	Hu 2	
13226	Hu 1138	DM (12°) 2444	12 49	12 20	3.4	1.32	9.5... 9.9	5.25	Hu 2	
13227	A 1089	A. G. Chris. 1886	18 10	68 44	291.0	0.64	9.0...11.3	5.26	A 3	
13228	A 1090	A. G. Leip. I 4586	23 1	9 53	89.8	1.81	9.0...11.0	5.34	A 2	
13229	A 1091	DM (74°) 501	32 34	73 52	317.0	3.78	9.0...13.2	5.26	A 3	
13230	Hu 892	DM (15°) 2495	37 13	15 4	163.4	0.96	9.3... 9.3	5.17	Hu 2	
13231	Hu 893	DM (13°) 2583	42 57	12 50	32.6	1.42	9.1... 9.1	5.17	Hu 2	
13232	Hu 1139	DM (39°) 2570	45 38	39 19	286.0	4.80	8.8...12.5	5.19	Hu 2	
13233	Hu 1140	DM (60°) 1422	46 41	60 31	245.4	0.73	8.7...11.5	5.27	Hu 2	
13234	Hu 894	DM (13°) 2600	48 18	13 43	146.3	0.98	9.1... 9.1	5.17	Hu 2	
13235	A 1092	DM (70°) 720	51 42	70 26	156.6	0.28	9.2... 9.3	5.26	A 3	
13236	Hu 1141	DM (36°) 2328	55 43	36 18	339.4	0.54	8.8... 9.4	5.29	Hu 2	
23237	Hu 1142	DM (39°) 2591	56 34	39 24	146.9	1.33	9.0...13.2	5.29	Hu 2	
13238	Hu 642	SD (12°) 3747	59 13	−12 44	23.4	0.32	9.5... 9.5	0.42	Hu 2	
13239	Hu 1143	DM (12°) 2552	13 1 26	12 28	95.0	0.97	8.9... 9.6	5.25	Hu 2	
13240	Hu 1144	DM (15°) 2545	1 57	14 49	10.3	1.42	9.0...12.2	5.25	Hu 2	
13241	A 683	A. G. Leiden 4832	2 54	29 59	331.4	3.53	9.0...13.5	4.33	A 3	
13242	Hu 1145	SD (21°) 3664	5 25	−21 40	188.1	1.04	8.8... 9.4	4.88	Hu 2	
13243	A 684	A. G. Nico. 3545	7 48	− 1 25	16.0	1.28	9.0...10.2	4.42	A 2	
13244	A 1093	DM (80°) 403	8 57	80 33	131.8	0.25	8.8... 9.2	5.42	A 2	
13245	Hu 1146	DM (37°) 2391	12 52	37 21	43.8	3.80	8.0...12.2	5.25	Hu 2	
13246	Hu 895	DM (81°) 420	18 27	80 49	1.9	0.81	9.4... 9.6	5.18	Hu 2	
13247	A 1094	A. G. Kasan 2397	27 53	76 7	341.1	2.77	9.0...13.2	5.42	A 2	
13248	A 1095	A. G. Leiden 4936	28 57	30 15	176.9	0.31	8.2... 8.8	5.54	A 3	
13249	Hu 896	SD (18°) 3632	28 57	−18 36	11.7	1.47	8.5...10.5	4.44	Hu 2	
13250	A 1096	DM (70°) 746	31 56	70 35	168.9	1.58	8.6...12.5	5.26	A 2	
13251	Hu 897	DM (38°) 2467	35 35	38 29	339.0	0.50	9.0...10.2	5.07	Hu 2	
13252	A 685	A. G. Leiden 5026	47 8	30 30	13.5	0.70	8.5...10.8	4.37	A 3	
13253	Hu 898	SD (18°) 3694	48 29	−18 40	136.1	0.42	8.8... 8.8	4.42	Hu 2	
13254	Hu 1147	DM (37°) 2472	51 52	36 56	70.1	4.91	8.8...12.8	5.22	Hu 2	
13255	A 686	A. G. Leiden 5050	52 12	30 40	157.2	1.34	8.6...13.2	4.37	A 2	
13256	A 687	A. G. Camb. 6686	55 42	28 55	306.6	0.80	9.2... 9.3	4.34	A 3	
13257	A 1097	A. G. Hels. 7801	58 38	57 42	71.5	0.28	7.6... 8.1	5.57	A 2	
13258	Hu 1148	DM (67°) 820	14 0 9	67 35	117.9	0.80	8.0...12.0	5.21	Hu 3	
13259	Hu 1149	DM (37°) 2492	0 56	36 54	348.5	4.21	9.0...13.0	5.22	Hu 2	
13260	A 1098	A. G. Leip. II. 6626	5 24	8 55	232.3	4.61	9.0...11.0	5.34	A 2	
13261	Hu 899	SD (18°) 3764	5 50	−19 1	292.8	1.62	9.0...10.2	4.42	Hu 2	
13262	A 1099	A. G. Leip. I. 5047	7 54	11 32	99.4	0.18	8.3... 8.8	5.37	A 3	
13263	A 1100	A. G. Leip. II. 6642	8 55	9 27	173.3	0.28	8.0... 8.9	5.37	A 3	
13264	A 1101	A. G. Leip. I. 5063	10 56	10 46	240.9	0.22	9.0... 9.5	5.37	A 3	A and B
					149.6	3.49	... 9.7	5.34	A 2	AB and C = Σ 1823
13265	Hu 900	DM (77°) 534	12 30	76 54	230.7	0.52	9.3... 9.7	5.02	Hu 3	
13266	Hu 901	DM (34°) 2515	14 9	34 40	9.0	0.74	8.7...10.0	4.53	Hu 3	
13267	A 1102	A. G. Chris. 2126	16 7	69 42	293.0	0.26	7.6... 7.8	5.37	A 3	
13268	Hu 902	SD (18°) 3804	16 24	−18 20	230.0	1.39	8.8...10.5	4.42	Hu 2	
13269	A 1103	A. G. Leip. I. 5097	18 0	10 11	202.5	4.56	8.8... 9.8	5.56	A 2	
13270	A 1104	A. G. Leip. II. 6677	18 9	7 57	271.6	0.77	9.0... 9.0	5.34	A 2	
13271	Hu 1150	DM (61°) 1424	20 58	61 31	258.0	1.55	9.0...11.2	5.21	Hu 2	
13272	Hu 903	SD (20°) 4030	22 1	−20 22	250.3	2.06	8.9...10.8	4.42	Hu 2	
13273	A 1105	A. G. Leiden 5198	22 57	31 5	191.0	0.87	9.1... 9.4	5.43	A 3	
13274	Hu 904	....	27 5	34 57	169.0	1.69	9.3...12.0	4.13	Hu 3	
13275	A 688	A. G. Camb. 6876	28 53	27 51	8.4	0.47	8.7...10.3	4.52	A 3	
13276	A 1106	A. G. Hels. 8019	29 1	58 24	26.7	2.03	8.8...11.0	5.64	A 2	
13277	A 1107	A. G. Leip. II. 6771	14 35 7	5 30	75.3	0.26	8.0... 9.2	5.48	A 3	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900 +	Observer	Notes
13278	A 1108	A. G. Hels. 8074	14^h 37^m 23^s	59° 6′	123°.2	3″.90	8.4...12.2	5.64	A 2	
13279	A 1109	A. G. Leip. II. 6783	37 52	7 1	32.4	0.63	7.3... 9.8	5.48	A 3	
13280	Hu 905	DM (22°) 2744	40 36	22 24	344.0	0.27	9.0...10.8	3.57	Hu 2	
13281	Hu 1151	SD (18°) 3904	43 58	−19 5	54.0	0.50	8.8...10.5	4.86	Hu 2	
13282	A 1110	A. G. Leip. II. 6818	44 48	8 24	274.5	0.22	7.5... 7.6	5.32	A 3	A and B
					202.6	19.84	...11.0	5.29	A 1	AB and C
					327.1	22.67	...11.5	5.29	A 1	AB and D
13283	A 1111	A. G. Leip. I. 5222	44 57	10 43	296.0	2.58	8.9...11.0	5.56	A 2	
13284	Hu 1152	DM (67°) 852	46 30	67 1	55.7	0.95	8.2...12.4	5.24	Hu 2	
13285	Hu 1153	DM (15°) 2777	46 57	15 43	281.4	4.45	8.2...12.0	5.33	Hu 3	
13286	A 1112	A. G. Leiden 5302	47 20	30 1	357.3	4.39	8.9...13.3	5.40	A 2	
13287	Hu 1154	SD (15°) 4005	54 15	−15 24	324.9	2.96	8.8...13.5	4.88	Hu 2	
13288	Hu 906	DM (23°) 2755	54 25	23 2	20.0	0.94	9.0...12.5	4.46	Hu 2	
13289	Hu 908	DM (78°) 501	55 25	78 35	266.4	1.18	6.5...10.0	4.91	Hu 2	
13290	Hu 907	DM (22°) 2769	55 40	21 53	154.6	0.31	9.0... 9.5	4.46	Hu 2	
13291	Hu 1155	DM (15°) 2806	57 10	15 30	15.4	3.90	9.0...10.5	5.33	Hu 2	
13292	Hu 1156	DM (14°) 2821	57 20	14 26	297.0	3.94	9.0...12.0	5.33	Hu 2	
13293	Hu 1157	SD (17°) 4252	15 1 13	−17 43	67.9	2.72	8.6... 8.6	4.88	Hu 2	
13294	A 689	A. G. Nico. 3865	1 58	− 1 54	315.4	0.27	8.2... 8.9	4.54	A 3	
13295	A 1113	A. G. Hels. 8227	2 51	57 30	339.8	0.54	8.8...11.5	5.64	A 2	
13296	A 1114	A. G. Hels. 8228	3 28	59 4	284.4	1.00	9.1... 9.2	5.64	A 2	
13297	A 1115	DM (73°) 656	3 42	73 28	145.1	1.82	9.5... 9.5	5.45	A 2	
13298	A 690	A. G. Camb. 7103	5 44	28 30	1.6	0.82	9.0... 9.5	4.49	A 2	
13299	A 1116	A. G. Leip. I. 5326	6 49	10 30	20.6	0.42	8.1... 8.1	5.45	A 3	
13300	Hu 1158	SD (19°) 4054	7 34	−19 53	291.4	0.73	8.5... 9.5	4.88	Hu 2	
13301	Hu 1159	DM (60°) 1594	10 28	60 30	31.1	0.26	8.6... 8.8	5.21	Hu 2	
13302	A 1117	A. G. Leip. II. 6944	12 31	9 45	351.0	0.64	8.2...10.0	5.40	A 3	
13303	A 1118	DM (69°) 790	15 3	69 33	53.8	0.83	9.4...11.2	5.54	A 2	
13304	Hu 1160	DM (15°) 2847	16 4	15 45	223.6	1.85	8.6...11.2	5.33	Hu 2	
13305	Hu 1161	DM (67°) 883	18 48	67 22	222.2	1.45	8.0...12.0	5.24	Hu 2	
13306	Hu 909	DM (61°) 1500	21 10	61 21	296.1	1.49	7.5...11.5	5.14	Hu 2	
13307	A 1119	A. G. Leip. II. 6982	21 33	8 43	4.2	1.33	9.2... 9.2	5.32	A 3	
13308	A 1120	A. G. Leip. I. 5397	22 28	10 3	329.7	0.28	8.1... 8.8	5.47	A 3	P.M. = 0″.099 in 143°.6 (Porter)
13309	Hu 1162	DM (65°) 1054	25 48	65 13	107.0	1.29	9.0... 9.8	5.24	Hu 2	
13310	A 1121	DM (74°) 618	26 26	74 49	86.6	3.55	9.0...13.5	5.45	A 2	
13311	Hu 1163	DM (38°) 2668	27 1	38 30	266.4	0.41	8.2... 8.5	5.38	Hu 2	
13312	A 1122	A. G. Leip. I. 5414	27 6	10 0	22.5	0.51	8.5...10.2	5.47	A 3	A and B
					222.0	16.18	... 9.2	5.45	A 2	AB and C = Σ 1958
13313	Hu 1164	DM (65°) 1057	28 30	65 32	32.0	0.64	8.8... 9.8	5.24	Hu 2	
13314	Hu 910	DM (63°) 1208	30 10	63 17	268.9	1.28	9.1... 9.7	5.14	Hu 2	
13315	A 1123	DM (7°) 2986	31 1	7 32	85.7	0.48	9.2... 9.7	5.57	A 3	
13316	Hu 1165	DM (66°) 912	31 42	65 57	247.3	1.53	9.0...12.8	5.24	Hu 2	
13317	Hu 1166	DM (37°) 2661	32 42	37 42	131.0	3.72	8.5...13.2	5.38	Hu 2	
13318	A 1124	A. G. Hels. 8428	33 36	55 51	133.9	1.05	8.6... 9.3	5.66	A 3	
13319	Hu 1167	DM (36°) 2626	34 26	36 34	89.2	0.85	7.4...12.5	5.38	Hu 2	A*a* (ABC = Σ 1964)
13320	Hu 911	DM (77°) 593	35 5	77 6	256.7	1.20	7.5...11.5	5.97	Hu 2	
13321	Hu 1168	DM (64°) 1081	35 41	64 46	317.8	0.28	8.8... 9.0	5.24	Hu 2	
13322	A 1125	A. G. Leip. II. 7051	37 52	5 28	282.9	1.22	8.4...10.5	4.57	A 3	
13323	Hu 656	SD (18°) 4163	41 14	−18 49	21.4	1.51	8.5... 9.0	4.40	Hu 2	
13324	A 1126	A. G. Leip. II. 7091	44 23	5 21	229.5	0.24	8.9... 8.9	5.58	A 2	
13325	A 1127	A. G. Hels. 8514	45 30	59 47	83.3	0.21	8.3... 8.5	5.24	A 3	
13326	A 1128	A. G. Leip. II. 7104	47 12	5 46	347.1	1.39	9.0... 9.8	5.58	A 2	
13327	A 1129	A. G. Leip. II. 7105	47 28	9 0	121.6	3.53	8.8...14.5	5.35	A 3	
13328	Hu 912	DM (60°) 1637	47 30	60 50	137.9	0.28	7.7... 7.8	5.14	Hu 2	
13329	A 1130	DM (5°) 3107	49 20	5 46	333.0	1.71	9.0...10.5	5.58	A 2	
13330	A 1131	DM (71°) 752	15 50 24	70 58	347.0	0.77	9.0...12.0	5.60	A 3	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900 +	Observer	Notes
13332	A 1133	A. G. Chris. 2381	15^h 50^m 37^s	69° 0′	231°4	1″22	9.2... 9.2	5.60	A 3	
13333	A 856	DM (81°) 530	50 43	81 53	348.6	5.00	8.3...13.0	4.74	A 2	
13334	Hu 913	DM (60°) 1639	51 11	60 24	285.7	1.46	8.8...10.0	5.14	Hu 2	
13335	Hu 914	SD (21°) 4261	57 33	−21 56	338.7	3.19	9.0...10.0	4.42	Hu 2	
13336	A 1134	DM (71°) 762	58 50	71 10	47.2	1.90	7.0...12.0	5.60	A 3	
13337	Hu 1169	DM (64°) 1105	58 53	64 49	63.5	2.90	8.5...11.5	5.20	Hu 2	
13338	Hu 1170	DM (65°) 1096	16 0 14	65 47	144.7	1.02	8.8...12.2	5.22	Hu 3	
13339	Hu 915	DM (61°) 1557	1 55	61 37	308.9	2.28	7.0...11.2	5.14	Hu 2	
13340	A 1135	DM (69°) 833	5 28	69 17	250.4	4.12	9.4... 9.4	5.56	A 2	
13341	Hu 1171	DM (33°) 2697	8 18	33 18	328.3	1.20	9.0...12.0	5.36	Hu 2	
13342	Hu 916	DM (76°) 591	9 13	76 2	174.9	0.54	8.5... 9.0	4.97	Hu 2	
13343	A 1136	DM (72°) 720	14 32	72 2	2.7	0.62	8.3... 8.6	5.69	A 2	
13344	Hu 1172	DM (32°) 2706	14 55	32 8	328.5	1.48	9.1...10.0	5.37	Hu 2	
13345	Hu 661	DM (49°) 2489	14 58	49 32	50.7	0.80	9.0... 9.2	4.38	Hu 2	
13346	A 1137	A. G. Hels. 8760	17 18	57 50	168.2	0.28	8.4... 9.0	5.24	A 3	
13347	A 692	A. G. Nico. 4115	17 57	− 0 37	223.2	3.14	7.0...15.0	4.52	A 3	
13348	Hu 1173	DM (34°) 2799	26 19	34 6	69.2	0.24	8.4... 8.7	5.38	Hu 2	
13349	A 693	A. G. Nico. 4153	26 33	− 2 3	8.3	0.19	8.6... 8.6	4.52	A 3	
13350	A 1138	A. G. Hels. 8855	29 17	58 9	144.8	0.46	9.2...10.2	5.22	A 2	
13351	A 1139	A. G. Hels. 8868	30 32	57 36	87.6	1.95	9.0... 9.6	5.24	A 3	
13352	A 1140	A. G. Hels. 8912	35 56	56 20	119.6	3.50	8.6...12.0	5.64	A 2	
13353	A 1141	A. G. Nico. 4208	40 37	− 0 35	18.8	0.18	8.5... 8.5	5.45	A 3	
13354	Hu 666	DM (23°) 2997	43 10	23 11	205.6	0.56	8.7...12.5	3.35	Hu 2	
13355	Hu 917	DM (77°) 634	47 32	77 41	191.9	3.03	6.0...12.0	4.85	Hu 2	P.M. = 0″198 in 90°0 (Porter)
13356	A 1142	A. G. Leip. I. 5916	52 48	14 53	311.8	1.67	8.7...12.7	5.62	A 2	
13357	A 1143	A. G. Hels. 9055	54 47	57 20	252.4	0.39	9.0... 9.1	5.66	A 3	A and B
					148.2	0.76	9.4... 9.6	5.66	A 3	C and D
					5.0	96.5	...	5.61	A 1	AB and CD
					351.4	45.8	...13.5	5.64	A 2	AB and E
13358	Hu 667	DM (48°) 2461	55 39	48 2	169.4	2.30	8.7...12.5	4.38	Hu 2	
13359	Hu 1174	SD (19°) 4502	57 43	−19 19	79.7	3.66	8.7...12.8	4.88	Hu 2	
13360	A 1144	DM (74°) 695	58 52	74 27	307.4	5.14	7.1...14.0	5.48	A 2	P.M. = 0″108 in 160°7 (Gr)
13361	Hu 1175	SD (18°) 4412	17 1 14	−18 56	213.0	2.33	8.8...10.5	4.88	Hu 2	
13362	A 1145	A. G. Nico. 4274	3 4	− 0 57	240.8	0.44	6.0... 8.0	5.41	A 3	
13363	A 1146	A. G. Chris. 2598	4 26	69 56	316.4	0.27	7.8... 8.3	5.51	A 3	
13364	Hu 1176	DM (36°) 2827	4 29	36 4	111.7	0.12	6.0... 6.0	5.32	Hu 2	
13365	Hu 1177	DM (39°) 3080	6 23	38 57	94.5	3.10	9.0...14.2	5.32	Hu 2	
13366	Hu 918	DM (62°) 1529	6 26	62 36	124.7	0.42	9.1... 9.3	5.17	Hu 2	
13367	Hu 1178	DM (39°) 3086	8 15	39 23	9.5	0.27	8.4... 8.7	5.32	Hu 2	A and B AC = Σ 2136
					83.0	1.11	9.0...13.5	5.32	Hu 2	C and D
13368	A 1147	A. G. Leip. II. 7698	9 22	6 29	344.5	0.33	9.1... 9.3	5.67	A 3	A and B
					316.8	5.05	...14.5	5.67	A 1	AB and C
13369	A 1148	A. G. Leip. II. 7716	12 15	7 32	356.3	1.94	9.0...10.8	5.65	A 2	
13370	Hu 919	DM (78°) 586	14 16	78 42	83.2	0.22	9.5... 9.8	5.00	Hu 2	
13371	Hu 920	DM (62°) 1542	19 7	62 12	266.1	0.71	9.0...12.0	5.17	Hu 2	
13372	A 1149	A. G. Leip. II. 7805	20 14	7 22	119.6	1.12	9.0...10.0	5.65	A 2	
13373	Hu 1179	DM (38°) 2928	20 40	38 40	272.8	0.23	7.0... 7.1	5.38	Hu 2	
13374	Hu 921	DM (64°) 1197	20 46	64 40	201.4	1.42	9.0...12.3	5.17	Hu 2	
13375	A 1150	A. G. Nico. 4323	21 6	− 0 5	117.2	2.47	9.0...14.0	5.45	A 3	
13376	Hu 922	DM (34°) 2962	21 28	34 49	359.5	0.30	9.0... 9.8	4.47	Hu 2	
13377	A 1151	A. G. Hels. 9280	24 42	56 26	211.8	0.52	8.5...11.3	5.58	A 3	
13378	Hu 1180	SD (19°) 4645	24 44	−19 29	71.7	2.25	8.0... 9.2	4.88	Hu 2	
13379	A 1152	A. G. Hels. 9297	26 4	56 14	355.3	0.19	9.1... 9.3	5.66	A 3	
13380	A 1153	A. G. Leip. II. 7890	28 21	7 39	108.2	1.10	9.0...10.8	5.65	A 2	
13381	Hu 1181	DM (34°) 2990	28 59	34 49	331.3	0.18	8.4... 8.7	4.93	Hu 2	
13382	A 1154	DM (71°) 844	17 29 17	71 17	251.1	0.70	8.9... 9.2	5.51	A 3	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900 +	Observer	Notes
13383	A 1155	DM (74°) 713	17^h 31^m 21^s	74°34′	334°.4	0″.43	7.6...10.2	5.54	A 3	
13384	A 1156	A. G. Leip. II. 7932	31 45	7 26	171.6	0.33	8.3... 8.5	5.67	A 2	
13385	Hu 923	DM (49°) 2662	31 50	49 17	99.9	0.98	8.5... 9.0	4.43	Hu 2	
13386	A 1157	A. G. Leip. II. 7956	33 49	6 16	280.4	1.20	8.4... 9.8	5.65	A 2	
13387	A 1158	A. G. Leip. II. 7961	34 5	7 18	109.0	4.42	8.5...12.5	5.65	A 2	
13388	A 1159	A. G. Nico. 4376	34 29	− 1 16	291.7	1.59	9.0...14.0	5.45	A 2	
13389	A 694	A. G. Bonn 11327	35 13	42 45	99.6	1.04	8.8...13.2	4.42	A 3	
13390	A 1160	DM (−0°) 3342	35 28	− 0 40	13.6	1.56	9.5... 9.5	5.45	A 3	
13391	A 695	A. G. Bonn 11343	36 41	41 22	225.8	3.20	8.8... 9.1	4.45	A 2	
13392	A 696	A. G. Bonn 11357	38 15	41 30	176.6	8.08	9.0...11.0	4.43	A 2	A and B
					306.8	1.80	11.0...11.5	4.43	A 2	B and C
13393	A 1161	A. G. Leip. II. 8048	41 52	5 36	283.6	0.68	8.3... 9.7	5.67	A 3	
13394	A 1162	A. G. Leip. II. 8050	42 2	6 33	163.2	1.72	8.6...10.0	5.65	A 2	A and B
					171.2	7.36	...14.0	5.65	A 2	A and C
13395	A 697	A. G. Bonn 11423	43 59	42 17	93.5	0.46	8.4... 8.5	4.43	A 3	
13396	Hu 924	DM (66°) 1047	44 55	66 30	170.5	0.30	8.8... 9.0	5.17	Hu 2	
13397	Hu 1182	DM (35°) 3074	45 6	35 38	11.7	0.54	8.7... 9.1	5.38	Hu 2	
13398	A 1163	A. G. Leip. II. 8106	46 23	7 43	107.9	0.98	8.7...10.0	5.67	A 3	
13399	A 1164	A. G. Leip. II. 8116	47 6	7 25	38.6	0.16	7.4... 7.8	5.67	A 3	
13400	A 698	A. G. Bonn 11474	47 16	41 14	256.4	3.99	8.7... 9.2	4.44	A 2	
13401	Hu 1183	DM (38°) 3012	47 52	38 22	178.2	0.23	8.8... 9.5	5.38	Hu 2	
13402	A 699	A. G. Bonn 11500	49 10	40 58	47.5	0.18	8.7... 9.4	4.44	A 3	
13403	Hu 1184	DM (32°) 3012	53 10	32 37	199.0	0.76	8.6...12.0	5.38	Hu 2	
13404	A 857	DM (84°) 389	54 23	84 46	51.2	1.92	8.7...12.8	4.64	A 2	
13405	Hu 1185	DM (32°) 3024	55 22	32 29	183.7	0.28	8.8... 9.8	5.38	Hu 2	
13406	Hu 925	DM (67°) 1041	55 26	67 29	329.5	1.91	9.0...10.5	5.17	Hu 2	
13407	A 1165	A. G. Albany 6057	58 27	4 47	34.9	0.97	9.0...10.2	5.65	A 2	
13408	A 1166	DM (−0°) 3409	18 0 16	− 0 19	114.2	0.47	9.4...13.0	5.55	A 2	
13409	A 1167	A. G. Nico. 4488	0 57	0 22	147.0	4.95	8.8...11.0	5.45	A 2	
13410	Hu 1186	DM (38°) 3077	2 55	38 23	308.6	0.16	8.4... 8.5	5.27	Hu 2	
13411	Hu 1187	DM (34°) 3134	5 46	34 30	79.9	1.96	9.0...13.0	4.94	Hu 2	
13412	A 1168	DM (71°) 873	8 41	71 30	309.8	0.47	9.0...11.0	5.50	A 3	
13413	Hu 926	DM (64°) 1248	9 2	64 13	267.8	4.06	9.1... 9.3	5.17	Hu 2	
13414	Hu 1188	DM (35°) 3192	10 54	36 0	114.7	1.80	9.0...14.5	4.94	Hu 2	
13415	Hu 927	DM (32°) 3081	11 24	32 48	130.4	0.34	9.3... 9.3	4.49	Hu 2	
13416	Hu 928	DM (77°) 687	15 36	77 10	158.7	1.70	9.0...12.0	4.80	Hu 3	
13417	A 700	A. G. Bonn 11925	19 33	45 42	322.0	0.49	9.2... 9.3	4.58	A 2	
13418	A 1169	A. G. Chris. 2841	22 16	68 52	313.4	1.06	9.0...10.7	5.47	A 2	
13419	Hu 929	DM (76°) 685	23 48	76 33	113.8	1.80	8.6...11.0	4.80	Hu 3	
13420	Hu 930	DM (76°) 688	25 50	76 56	317.2	1.09	9.0...13.0	4.94	Hu 2	
13421	Hu 1189	DM (37°) 3139	27 16	37 59	212.6	1.24	8.7...13.8	5.28	Hu 2	
13422	Hu 931	DM (65°) 1273	28 19	65 3	248.2	0.67	10.0...10.0	5.17	Hu 2	AB (AC = Σ 2343)
13423	Hu 932	DM (62°) 1629	30 26	62 28	90.4	2.86	7.0...12.8	4.52	Hu 3	P.M. = 0″.047 in 36°.8 (Gr)
13424	A 1170	DM (71°) 898	33 8	71 16	177.3	0.83	9.0...12.2	5.50	A 3	
13425	Hu 1190	DM (37°) 3199	36 29	38 1	172.5	1.71	9.5... 9.5	5.38	Hu 2	
13426	Hu 933	DM (63°) 1443	37 2	63 36	16.9	1.02	8.5...13.0	4.52	Hu 3	
13427	A 858	A. G. Nico. 4662	38 35	− 0 20	322.6	1.10	9.0...14.0	4.67	A 2	
13428	A 859	A. G. Nico. 4664	38 46	− 0 19	15.8	0.25	8.4... 8.8	4.67	A 2	
13429	Hu 934	DM (77°) 702	42 18	77 35	35.9	0.24	7.5... 7.8	4.84	Hu 3	
13430	Hu 935	DM (32°) 3205	42 53	32 4	153.2	3.02	9.0...10.0	4.49	Hu 2	
13431	Hu 1191	DM (38°) 3292	43 11	38 15	279.0	0.22	8.2... 8.7	5.32	Hu 2	
13432	Hu 936	DM (38°) 3212	45 3	33 54	102.1	1.96	8.8... 9.1	4.46	Hu 3	
13433	Hu 937	DM (64°) 1290	45 36	64 5	113.5	0.30	8.4... 8.8	4.52	Hu 2	
13434	A 860	A. G. Nico. 4700	46 5	− 0 44	253.4	0.20	9.1... 9.2	4.74	A 2	
13435	Hu 1192	DM (39°) 3546	46 50	39 55	47.0	2.50	8.8... 9.5	5.32	Hu 2	
13436	A 861	A. G. Nico. 4717	18 49 16	− 1 10	343.8	1.40	8.9...10.0	4.67	A 2	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13437	A 862	A. G. Nico. 4718	18^h 49^m 25^s	− 1° 25′	160°.5	4″.45	8.9...12.5	4.67	A 2	
13437½	A 1132	DM (72°) 865	50 25	72 15	126.0	5.08	8.0...13.2	5.47	A 2	(Corrected R. A.)
13438	A 1171	A. G. Nico. 4727	51 8	− 0 56	95.9	0.73	8.0...13.5	5.51	A 3	A and B
					278.5	17.15	...11.0	5.44	A 1	A and C = Σ 2414
13439	A 701	A. G. Bonn 12423	51 19	44 16	215.4	2.99	9.0...12.5	4.51	A 2	
13440	A 1172	DM (70°) 1037	54 30	70 28	252.8	4.38	8.6...13.5	5.46	A 2	
13441	Hu 938	DM (64°) 1306	54 35	64 24	216.5	1.84	9.1... 9.5	5.04	Hu 2	
13442	A 702	A. G. Bonn 12488	55 49	44 11	5.9	0.40	9.1... 9.3	4.52	A 3	
13443	Hu 939	DM (62°) 1671	58 40	62 52	45.5	3.96	8.0...13.4	4.52	Hu 3	
13444	Hu 940	DM (33°) 3318	19 1 49	33 43	191.3	0.54	8.7... 9.0	4.47	Hu 2	
13445	A 703	A. G. Bonn 12627	4 12	44 41	189.5	0.49	8.0...10.7	4.49	A 3	
13446	A 863	A. G. Nico. 4796	4 42	− 0 27	122.8	0.40	8.8...10.2	4.74	A 2	
13447	A 1173	A. G. Leip. II. 9063	4 56	8 23	0.6	1.93	8.9...11.2	5.56	A 2	
13448	A 704	A. G. Bonn 12646	5 2	46 43	281.3	1.02	9.0... 9.3	4.53	A 2	
13449	Hu 941	DM (32°) 3354	8 28	32 5	323.1	1.23	7.5...12.8	4.47	Hu 2	
13450	Hu 942	DM (34°) 3461	9 15	35 0	280.7	1.87	8.5...12.8	4.47	Hu 2	
13451	A 1174	DM (72°) 878	9 38	72 42	89.4	0.83	8.8... 9.5	5.50	A 3	
13452	A 1175	A. G. Leip. I. 7123	9 49	10 23	37.4	2.76	8.0...14.0	5.56	A 2	
13453	Hu 943	DM (62°) 1690	9 56	62 14	93.3	0.93	9.0...10.0	4.61	Hu 3	
13454	A 705	A. G. Bonn 12745	10 24	44 33	197.8	94.78	8.6...	4.46	A 1	A and BC
					35.5	0.50	10.5...11.3	4.48	A 2	B and C
					88.8	4.80	...14.0	4.48	A 2	BC and D
13455	A 706	A. G. Bonn 12767	12 3	47 46	251.2	1.35	8.8... 8.9	4.52	A 3	
13456	A 1176	A. G. Leip. II. 9151	12 56	10 4	105.0	1.11	9.0...10.0	5.56	A 2	
13457	A 1177	DM (11°) 3789	13 2	11 36	25.7	0.70	9.1... 9.7	5.54	A 3	
13458	A 1178	A. G. Leip. I. 7192	17 10	10 44	331.0	4.13	7.1...13.2	5.71	A 2	
13459	A 1179	A. G. Leip. II. 9206	18 31	9 19	195.0	0.25	8.4... 9.6	5.66	A 4	B and C
					180.8	8.66	... 8.4	5.63	A 1	A and BC = Σ 2510
13460	A 1180	DM (10°) 3883	19 36	10 31	239.1	1.98	9.0...13.7	5.71	A 2	
13461	Hu 1193	DM (39°) 3748	19 36	39 37	68.1	0.75	8.5...11.8	5.32	Hu 2	
13462	A 707	A. G. Hels. 10429	19 45	60 3	156.7	0.61	9.0...10.5	4.52	A 3	
13463	A 708	A. G. Hels. 10440	20 52	56 25	167.0	0.90	8.0...12.5	4.51	A 3	
13464	A 1181	A. G. Leip. I. 7231	22 16	11 52	195.5	0.29	7.0... 9.2	5.59	A 3	
13465	A 709	A. G. Bonn 12963	22 31	46 19	57.3	0.35	9.0... 9.3	4.58	A 3	
13466	A 1182	A. G. Leip. II. 9250	22 45	8 58	295.7	0.68	8.6... 9.4	5.61	A 3	
13467	A 1183	A. G. Nico. 4896	23 33	− 0 49	357.3	2.28	9.0...14.0	5.56	A 3	
13468	Hu 1194	DM (35°) 3637	24 29	35 8	39.1	0.96	9.0... 9.2	4.79	Hu 3	
13469	A 710	A. G. Hels. 10494	25 8	58 51	226.9	0.86	8.5...12.3	4.54	A 3	
13470	Hu 944	DM (66°) 1203	26 3	66 45	354.7	1.60	9.0... 9.8	4.87	Hu 2	
13471	A 1184	A. G. Leip. II. 9296	26 14	8 11	103.0	1.37	8.5... 9.2	5.61	A 3	
13472	A 711	DM (56°) 2248	28 2	56 57	29.2	2.22	9.4...10.8	4.50	A 2	
13473	A 1185	A. G. Leip. II. 9330	28 3	8 18	191.6	3.24	9.2...10.0	5.75	A 2	
13474	A 712	A. G. Hels. 10537	28 12	56 26	89.2	0.16	6.9... 7.4	4.54	A 3	
13475	Hu 945	DM (32°) 3460	28 19	32 8	26.2	1.30	9.0...10.2	4.47	Hu 2	
13476	A 713	A. G. Bonn 13098	28 23	47 16	210.8	0.27	6.9... 7.3	4.58	A 3	
13477	A 714	A. G. Bonn 13121	29 36	45 50	328.1	1.58	8.8... 9.2	4.52	A 3	
13478	Hu 946	DM (33°) 3496	28 39	34 4	240.8	5.25	8.0...10.0	4.47	Hu 2	
13479	Hu 947	DM (61°) 1870	29 1	61 54	160.1	0.44	8.8...11.0	4.64	Hu 2	
13480	Hu 948	DM (32°) 3469	29 21	32 41	163.6	0.42	8.1... 8.9	4.47	Hu 2	
13481	Hu 949	DM (32°) 3473	29 42	32 53	103.3	0.70	8.6... 9.0	4.47	Hu 2	
13482	Hu 951	DM (63°) 1530	29 47	63 24	287.1	0.24	8.8... 9.0	4.61	Hu 3	
13483	Hu 950	DM (34°) 3604	29 48	34 41	148.0	0.44	9.2... 9.2	4.47	Hu 2	
13484	A 1186	A. G. Leip. I. 7317	29 49	10 9	47.9	0.26	8.9... 9.4	5.61	A 3	
13485	A 1187	A. G. Nico. 4922	30 28	− 1 53	157.3	1.44	9.0...14.2	5.59	A 2	
13486	A 1188	A. G. Nico. 4925	30 53	− 0 7	0.6	3.28	8.0...14.2	5.59	A 2	P.M. = 0″.341 in 180° (A.G.)
13487	A 715	A. G. Hels. 10591	19 31 57	59 49	343.1	0.71	9.1...10.2	4.50	A 3	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900+	Observer	Notes
13488	Hu 952	SD (19°) 5544	19 $33^m 12^s$	−19° 26′	286°3	1″66	9.0...10.8	4.61	Hu 2	
13489	A 1189	A. G. Leip. II. 9441	35 2	8 13	70.6	1.33	9.0...12.0	5.75	A 2	
13490	Hu 953	DM (34°) 3645	35 14	35 1	177.3	1.04	8.6... 9.0	4.47	Hu 3	
13491	A 1190	A. G. Leip. I. 7389	35 33	11 58	197.4	4.74	9.0...11.8	5.75	A 2	
13492	A 864	DM (72°) 904	37 11	72 54	43.6	0.82	8.8... 9.0	4.63	A 2	
13493	Hu 1195	DM (13°) 4122	38 55	13 27	319.8	2.02	8.7...14.5	5.35	Hu 2	
13494	A 716	A. G. Hels. 10710	39 16	57 56	272.7	0.40	8.6...10.3	4.54	A 3	
13495	A 1191	DM (71°) 969	40 27	71 59	251.5	2.90	9.1... 9.1	5.52	A 2	
13496	A 717	SD (2°) 5116	42 13	− 2 3	82.3	0.52	8.7... 9.4	4.52	A 3	
13497	A 1192	A. G. Leip. I. 7478	43 3	10 22	26.6	4.59	8.9...13.2	5.75	A 2	
13498	A 1193	DM (11°) 4045	50 18	11 22	26.8	1.72	9.0...11.8	5.76	A 2	
13499	Hu 954	DM (63°) 1575	51 54	63 36	205.1	0.31	8.9... 9.0	4.54	Hu 2	
13500	Hu 955	DM (63°) 1582	56 40	63 10	337.9	3.13	9.0...11.2	4.54	Hu 2	
13501	A 1194	A. G. Leip. I. 7675	59 17	12 4	308.0	0.78	8.9... 9.0	5.59	A 3	
13502	A 1195	DM (73°) 891	59 34	73 58	295.6	3.93	9.0...13.0	4.63	A 2	
13503	A 1196	A. G. Leip. II. 9815	20 1 45	9 11	242.6	0.22	9.5... 9.7	5.77	A 3	
13504	A 1197	A. G. Camb. 10837	1 48	29 29	344.1	0.34	9.0... 9.5	5.62	A 3	
13505	A 865	A. G. Chris. 3130	1 49	70 10	85.9	2.37	8.0...10.4	4.57	A 2	
13506	Hu 956	DM (76°) 770	1 56	76 14	103.5	0.89	9.0...10.0	4.81	Hu 4	
13507	A 866	A. G. Hels. 11083	3 17	58 6	189.2	0.52	10.2...10.5	4.60	A 2	B and C }
					179.8	31.05	9.0...	4.58	A 1	A and BC }
13508	A 1198	A. G. Camb. 10888	4 17	29 32	232.0	1.12	9.0...11.0	5.58	A 2	
13509	A 1199	A. G. Leip. II. 9863	5 13	10 3	240.8	2.75	9.0...11.3	5.64	A 3	
13510	A 721	A. G. Bonn 13815	5 18	46 5	45.0	3.92	8.0...12.2	4.58	A 2	
13511	A 867	DM (72°) 933	5 45	72 42	146.7	2.00	8.0...13.3	4.70	A 3	
13512	A 1200	A. G. Camb. 10971	7 21	28 52	196.9	4.86	7.6...13.8	5.48	A 2	
13513	A 722	A. G. Leip. I. 7782	8 4	11 52	341.1	2.36	9.1... 9.2	4.56	A 2	
13514	A 1201	A. G. Camb. 10996	8 18	28 50	171.8	0.28	9.0... 9.1	5.55	A 3	
13515	A 1202	A. G. Leip. I. 7786	8 34	10 29	121.9	0.60	8.9... 9.5	5.64	A 3	
13516	A 1203	A. G. Camb. 11006	8 50	28 54	175.1	0.32	9.7...10.1	5.72	A 3	B and C
					54.9	18.20	9.2...	5.68	A 1	A and BC = H 1492
13517	A 1204	A. G. Leiden 8078	10 26	31 11	131.5	0.32	8.7... 9.0	5.81	A 3	
13518	A 868	A. G. Nico. 5114	11 47	− 1 48	331.2	0.23	9.1... 9.6	4.62	A 3	
13519	A 1205	A. G. Camb. 11115	14 8	28 54	345.6	0.34	8.9... 9.7	5.81	A 3	
13520	A 1206	A. G. Leip. I. 7850	15 19	10 50	272.5	2.79	9.0...12.0	5.76	A 2	
13521	A 1207	A. G. Camb. 11145	15 29	29 37	356.2	0.44	9.5...10.2	5.83	A 2	
13522	Hu 957	DM (81°) 698	15 32	81 9	148.5	4.93	8.6...11.8	4.84	Hu 2	
13523	Hu 1196	DM (12°) 4297	15 57	12 30	323.2	0.40	9.0...10.0	5.35	Hu 2	A and B }
					304.4	3.44	...13.5	5.35	Hu 2	A and C }
13524	Hu 1197	DM (13°) 4371	17 15	13 16	304.9	1.05	7.2...13.8	5.35	Hu 2	
13525	A 1208	A. G. Leiden 8179	18 9	30 56	151.5	0.35	9.0... 9.2	5.84	A 3	
13526	Hu 958	DM (62°) 1803	18 32	62 17	345.5	0.92	9.0...10.0	4.49	Hu 2	
13527	Hu 1198	DM (12°) 4318	19 41	12 41	32.9	0.59	8.4... 9.2	5.35	Hu 2	
13528	A 1209	A. G. Leip. I. 7898	19 42	11 53	324.0	1.80	8.5...11.2	5.76	A 2	
13529	A 724	A. G. Hels. 11268	16 46	59 55	125.5	0.98	9.1... 9.8	4.50	A 3	
13530	A 729	DM (57°) 2187	21 57	57 47	249.8	2.64	9.0...11.0	4.58	A 2	
13531	A 869	A. G. Kasan 3509	22 13	75 46	268.8	1.88	9.1... 9.5	4.65	A 2	
13532	A 870	DM (73°) 905	22 46	73 26	239.8	0.51	9.3...10.2	4.76	A 2	
13533	A 871	DM (72°) 955	27 58	72 25	95.2	0.32	8.7... 9.1	4.70	A 3	
13534	A 872	A. G. Hels. 11437	28 46	56 53	190.5	0.29	9.2... 9.6	4.60	A 3	
13535	A 736	A. G. Bonn 14361	28 56	46 28	343.8	0.46	8.9...10.0	4.57	A 3	
13536	A 739	A. G. Hels. 11469	30 33	56 51	193.8	4.31	9.0...11.7	4.50	A 3	
13537	A 740	A. G. Bonn 14405	30 35	45 19	314.1	0.77	8.7... 9.7	4.57	A 3	
13538	A 741	A. G. Hels. 11497	33 12	57 47	150.6	1.32	8.2...11.5	4.51	A 2	
13539	A 873	A. G. Chris. 3205	35 1	70 9	29.1	0.40	9.2... 9.7	4.63	A 3	
13540	A 745	A. G. Hels. 11528	20 35 36	56 16	319.0	2.14	8.8...11.6	4.50	A 3	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900 +	Observer	Notes
13541	A 874	A. G. Nico. 5241	20h 35m 46s	− 0°57′	341°.2	1″.60	8.8...12.5	4.61	A 2	
13542	Hu 1199	DM (13°) 4491	37 12	13 57	227.3	0.69	7.5...12.0	5.35	Hu 2	
13543	A 875	DM (11°) 4364	39 37	11 43	208.6	2.30	9.1...10.8	4.56	A 2	
13544	A 876	A. G. Nico. 5264	40 20	0 1	68.2	0.56	8.9... 9.5	4.66	A 3	
13545	A 749	A. G. Bonn 14612	40 28	47 11	322.7	0.43	9.1... 9.4	4.59	A 3	
13546	A 1210	A. G. Leip. II. 10332	40 51	8 16	248.5	3.86	9.0...10.8	5.56	A 2	
13547	A 1211	A. G. Leiden 8456	41 24	30 40	238.7	2.96	8.5...14.2	5.48	A 2	
13548	A 1212	A. G. Leip. II. 10422	47 18	9 52	23.0	0.53	8.6... 9.1	5.59	A 3	
13549	A 1213	A. G. Leiden 8543	48 8	31 26	203.0	3.42	8.5...13.8	5.48	A 2	
13550	A 1214	A. G. Leip. II. 10438	48 25	8 56	217.7	3.44	8.7...12.3	5.57	A 3	
13551	A 750	A. G. Bonn 14787	49 19	45 44	249.7	0.30	8.5... 9.3	4.56	A 3	
13552	A 877	A. G. Nico. 5303	49 28	− 1 5	41.8	0.45	9.0... 9.5	4.66	A 3	
13553	A 753	A. G. Bonn 14873	52 44	45 52	250.0	0.81	9.1... 9.5	4.56	A 3	AC 267°: 8″
13554	A 1215	A. G. Leip. I. 8255	53 23	10 15	172.5	0.47	8.5... 9.7	5.63	A 3	
13555	A 1216	A. G. Chris. 3252	53 38	69 34	92.4	0.76	9.8...11.0	4.66	A 2	C and D
					351.2	41.35	7.5...	4.65	A 1	A and C } P.M. = 0″.020 in 302°.5 (Gr)
					339.6	21.57	...14.5	4.65	A 1	A and B
13556	A 878	DM (74°) 898	21 0 0	74 31	45.8	2.62	8.6...12.0	4.64	A 3	
13557	Hu 959	DM (66°) 1350	0 2	66 19	152.7	1.47	7.7... 9.0	4.66	Hu 2	P.M. = 0″.017 in 93°.3 (Gr)
13558	A 879	DM (73°) 922	0 4	73 53	140.3	4.06	7.5...12.8	4.63	A 3	
13559	A 880	DM (72°) 974	1 8	72 35	45.9	0.41	9.1... 9.2	4.67	A 3	
13560	A 1217	A. G. Leip. II. 10569	1 12	8 13	194.0	1.76	8.8...13.2	5.64	A 2	
13561	A 881	A. G. Bonn 15091	3 38	44 16	218.8	4.14	7.5...12.0	4.56	A 2	
13562	A 759	A. G. Bonn 15101	4 9	46 54	41.4	5.18	8.6...12.8	4.57	A 3	
13563	A 761	A. G. Bonn 15154	6 31	47 20	59.5	0.32	9.0...10.2	4.58	A 3	
13564	A 882	A. G. Bonn 15163	7 8	43 53	231.6	2.25	7.8...14.0	4.60	A 2	
13565	Hu 960	DM (65°) 1556	9 15	65 24	39.4	3.48	9.0...11.3	4.74	Hu 3	
13566	A 883	A. G. Nico. 5402	9 32	− 1 15	43.8	0.14	7.6... 7.8	4.71	A 3	A and B
					177.7	21.27	...10.5	4.67	A 1	AB and C = Σ 2775
13567	A 884	A. G. Bonn 15220	9 48	46 30	186.4	0.37	8.6... 8.7	4.62	A 3	
13568	Hu 961	DM (14°) 4576	11 57	14 34	17.0	2.19	9.2...10.2	4.66	Hu 2	
13569	A 885	A. G. Bonn 15298	13 14	44 31	164.5	4.14	8.7...13.5	4.60	A 2	
13570	Hu 962	DM (13°) 4674	14 50	13 56	50.7	0.32	8.5...11.5	4.66	Hu 2	
13571	A 886	A. G. Nico. 5442	18 37	0 8	341.4	2.48	8.9...13.0	4.68	A 2	
13572	A 1218	A. G. Leiden 8890	19 8	30 50	21.0	3.36	8.8...11.7	5.69	A 2	
13573	A 1219	A. G. Camb. 12465	20 13	29 49	123.8	1.49	9.3... 9.4	5.69	A 2	
13574	A 887	A. G. Leip. I. 8489	20 36	10 55	110.8	0.25	8.5... 9.1	4.71	A 3	AC 312°.4 : 10″.5
13575	A 1220	A. G. Leiden 8910	20 53	31 3	148.4	1.38	8.5... 9.0	5.69	A 2	
13576	A 1221	A. G. Leiden 8929	22 29	30 24	47.4	1.06	9.0...12.3	5.69	A 2	
13577	Hu 963	DM (13°) 4721	24 53	13 29	208.5	0.78	8.5...11.8	4.67	Hu 3	
13578	A 888	A. G. Nico. 5462	25 35	− 0 21	77.0	0.66	9.3... 9.5	4.72	A 3	
13579	Hu 964	DM (66°) 1407	27 25	66 37	276.6	1.53	6.0...12.2	4.66	Hu 2	
13580	Hu 965	SD (19°) 6128	29 57	−19 13	356.8	1.49	8.3... 9.0	4.75	Hu 2	(= No. 11062)
13581	Hu 966	DM (64°) 1566	31 27	64 28	21.9	0.51	8.5...11.7	4.74	Hu 3	
13582	Hu 967	SD (21°) 6076	37 23	−20 52	60.3	3.35	8.5... 9.8	4.75	Hu 2	(= No. 11180)
13583	Hu 968	DM (67°) 1343	38 23	67 56	144.1	1.22	8.5...10.0	4.82	Hu 2	
13584	A 1222	A. G. Leiden 9097	38 46	31 21	358.6	0.48	9.2... 9.4	5.55	A 3	
13585	A 1223	A. G. Leip. I. 8665	41 3	11 25	48.8	0.15	8.8... 9.2	5.53	A 3	A and B
					348.8	1.60	...14.8	5.53	A 2	AB and C
13586	Hu 969	DM (60°) 2285	41 24	60 27	324.5	2.57	7.5...12.5	4.62	Hu 3	
13587	A 1224	A. G. Leip. I. 8674	43 8	11 18	351.2	3.27	8.7...14.2	5.55	A 2	
13588	A 773	A. G. Bonn 15970	43 15	47 31	200.2	3.08	7.6...11.8	4.54	A 2	
13589	Hu 970	DM (67°) 1357	43 22	67 17	282.9	0.23	8.4... 8.8	4.82	Hu 2	
13590	Hu 971	DM (61°) 2199	44 55	61 36	136.7	0.21	8.5... 9.4	4.61	A 2	288°: 9″.1 AC
13591	A 889	A. G. Camb. 12951	46 33	28 42	57.5	0.24	9.0...10.0	4.60	A 3	
13592	A 774	A. G. Bonn 16045	21 47 14	46 43	34.0	0.36	8.5... 9.7	4.56	A 3	

Number	Double Star	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900 +	Observer	Notes
13593	A 1225	DM (71°) 1092	21$^{\text{h}}$ 48$^{\text{m}}$ 42$^{\text{s}}$	71° 18′	164°6	0″66	8.4...10.3	4.60	A 3	(See No. 11328)
13594	Hu 972	DM (66°) 1446	48 44	66 22	302.7	0.33	8.2... 9.0	4.82	Hu 2	
13595	A 890	DM (46°) 3485	50 46	47 1	233.6	1.10	9.3...13.5	4.61	A 2	
13596	A 891	A. G. Nico. 5537	52 33	− 1 6	56.9	0.39	8.7... 8.9	4.78	A 3	
13597	A 1226	A. G. Leiden 9225	52 54	32 12	348.7	0.25	8.4... 8.6	5.73	A 3	
13598	Hu 973	DM (61°) 2223	53 31	61 47	60.4	0.25	9.3... 9.4	4.62	Hu 2	
13599	Hu 974	DM (64°) 1608	53 31	65 11	104.7	4.61	8.8...12.2	4.66	Hu 2	
13600	A 775	DM (85°) 371	55 48	85 26	206.8	2.65	8.7...12.0	4.56	A 2	
13601	A 776	DM (44°) 4011	55 48	44 32	292.0	3.73	9.2...11.0	4.53	A 2	
13602	Hu 975	DM (63°) 1794	56 15	63 31	214.2	0.27	8.8... 9.5	4.62	Hu 2	A and B
					135.0	1.93	...10.5	4.62	Hu 2	A and C
13603	A 777	DM (45°) 3754	56 16	45 16	80.0	2.18	9.2...10.8	4.53	A 2	
13604	A 892	A. G. Kasan 3821	56 40	75 37	228.7	1.14	9.0...13.3	4.64	A 3	
13605	A 780	A. G. Bonn 16255	57 18	44 46	145.1	1.38	8.8... 9.1	4.56	A 3	A and B
					115.5	1.00	9.7...12.2	4.56	A 3	C and D
					96.7	64.50		4.52	A 1	A and C
13606	Hu 976	DM (62°) 2016	57 52	62 21	40.7	1.57	9.0... 9.0	4.62	Hu 3	
13607	A 781	A. G. Bonn 16291	58 56	46 48	201.8	2.58	8.8...10.0	4.53	A 2	
13608	A 1227	A. G. Leiden 9298	22 0 21	30 18	205.2	2.31	8.6...13.2	4.65	A 2	
13609	A 893	A. G. Camb. 13169	0 33	29 23	243.0	0.20	8.5... 9.5	4.81	A 3	
13610	Hu 977	DM (64°) 1622	2 1	65 9	305.2	0.23	8.3... 8.8	4.66	Hu 2	P.M. = 0″028 in 205°6 (Gr)
13611	A 894	DM (72°) 1015	2 41	72 42	136.7	0.35	9.1... 9.4	4.64	A 3	
13612	A 1228	A. G. Leiden 9351	7 10	31 19	351.2	3.44	9.0...10.8	5.62	A 2	
13613	Hu 978	DM (13°) 4869	7 53	13 25	226.5	0.72	8.5... 9.0	1.82	Hu 2	
13614	A 1229	A. G. Nico. 5599	9 7	− 1 55	166.8	1.49	9.0...12.5	5.79	A 2	
13615	A 1230	A. G. Leiden 9382	10 5	31 4	278.8	2.20	8.0...14.0	5.62	A 2	
13616	A 895	DM (71°) 1116	11 52	71 58	179.7	1.13	8.0...11.2	4.58	A 3	P.M. = 0″030 in 35°6 (Gr)
13617	Hu 979	DM (51°) 3335	16 0	51 47	47.0	0.62	9.0...10.8	4.80	Hu 2	
13618	Hu 980	DM (50°) 3669	16 4	50 45	40.8	2.74	8.4...14.0	4.80	Hu 2	
13619	A 1231	A. G. Leip. I. 8965	22 11	10 46	258.7	1.29	8.4...13.7	5.52	A 3	
13620	Hu 981	DM (60°) 2403	27 0	61 7	254.0	0.10	7.5... 7.7	4.70	Hu 2	P.M. = 0″026 in 64°6 (Gr)
13621	Hu 982	DM (13°) 4944	30 17	14 6	214.8	0.80	7.0...10.5	4.70	Hu 2	
13622	Hu 983	DM (65°) 1782	30 36	65 19	153.9	0.22	7.4... 7.7	4.68	Hu 2	
13623	A 1232	A. G. Leiden 9581	32 8	30 52	332.0	1.20	8.0...12.0	5.55	A 4	
13624	A 784	A. G. Kasan 3954	35 35	76 13	43.1	0.28	8.9... 9.0	4.60	A 3	
13625	A 1233	A. G. Nico. 5703	37 16	− 1 19	170.3	0.26	8.9... 8.9	5.78	A 3	
13626	Hu 984	DM (65°) 1805	42 48	65 44	21.2	0.61	9.0... 9.0	4.65	Hu 3	
13627	Hu 985	DM (12°) 4888	42 56	12 27	213.6	0.61	8.8... 9.8	4.70	Hu 2	
13628	Hu 986	DM (60°) 2444	46 2	60 47	292.6	0.84	9.5... 9.5	4.64	Hu 2	
13629	A 1234	A. G. Nico. 5743	49 58	− 1 34	62.7	0.97	8.9... 9.8	5.78	A 3	
13630	Hu 987	DM (15°) 4729	50 46	15 15	246.5	0.65	8.6... 8.8	4.70	Hu 2	
13631	Hu 988	DM (66°) 1563	52 31	66 17	165.7	0.92	8.4...12.2	4.59	Hu 2	
13632	Hu 989	DM (12°) 4919	52 57	13 4	76.2	0.37	7.5...10.0	4.70	Hu 2	
13633	A 1235	A. G. Nico. 5749	53 13	− 1 6	12.5	1.38	9.1... 9.1	5.78	A 3	
13634	A 1236	DM (−0°) 4438	53 21	− 0 31	345.1	0.83	9.3...11.0	5.78	A 3	
13635	Hu 990	DM (61°) 2374	53 36	61 50	287.7	1.04	8.0...11.0	4.64	Hu 2	
13636	A 1237	A. G. Leip. I. 9183	56 0	11 29	156.8	3.22	8.2...13.5	5.55	A 2	
13637	Hu 991	DM (34°) 4818	56 12	34 50	24.5	0.97	9.0...10.2	4.64	Hu 2	
13638	Hu 992	DM (14°) 4921	57 20	14 50	181.7	2.88	9.0...13.0	4.70	Hu 2	
13639	Hu 993	DM (67°) 1493	57 57	67 15	220.9	1.96	7.9...10.2	4.59	Hu 2	
13640	Hu 1200	DM (63°) 1918	58 46	63 35	179.3	0.31	9.0...11.5	4.66	Hu 3	
13641	Hu 994	DM (62°) 2171	23 3 43	63 5	306.0	0.22	6.3... 6.8	4.63	Hu 3	
13642	Hu 995	DM (14°) 4935	3 44	15 0	186.5	1.34	9.0... 9.7	4.70	Hu 2	
13643	A 1238	A. G. Leip. I. 9223	23 3 46	10 25	228.1	0.25	7.4... 7.6	5.57	A 3	A and B
					299.2	1.10	10.9...10.9	5.58	A 2	C and D
					295.0	70.3	...	5.57	A 1	AB and CD

Number	Star Catalogue	Star Catalogue	R. A. 1900	Decl. 1900	Position Angle	Distance	Magnitude	Epoch 1900 +	Observer	Notes
13644	Hu 996	DM (66°) 1592	23h 7m 56s	67° 3′	211°.1	2″.52	8.5... 9.1	4.59	Hu 2	
13645	Hu 997	DM (60°) 2526	17 39	60 47	153.3	0.35	9.0...10.2	4.64	Hu 2	
13646	A 1239	A. G. Leip. I. 9319	23 37	11 24	53.9	1.93	9.0...10.2	5.55	A 2	
13647	A 896	A. G. Nico. 5831	23 39	− 1 23	70.7	0.55	7.5...10.0	4.81	A 3	
13648	Hu 998	DM (14°) 4998	23 49	14 39	198.2	0.41	9.0...10.0	4.70	Hu 2	
13649	Hu 999	DM (13°) 5122	25 8	13 25	142.7	1.74	9.2... 9.7	4.70	Hu 2	
13650	Hu 1000	DM (61°) 2466	26 45	61 33	185.6	0.87	8.2...10.7	4.66	Hu 2	
13651	A 897	DM (72°) 1107	27 41	72 44	114.9	0.43	8.9... 9.6	4.62	A 2	
13652	A 1240	A. G. Leiden 10014	31 14	31 53	350.8	1.84	9.0...13.0	4.88	A 2	
13653	A 1241	A. G. Leip. I. 9381	32 58	12 20	317.4	0.34	8.5... 9.5	5.58	A 4	A and B } (= No. 12472)
					228.7	19.45	...11.0	5.55	A 1	AB and C }
13654	A 898	DM (72°) 1111	34 11	73 5	138.0	1.66	8.8...11.0	4.62	A 3	
13655	A 1242	A. G. Leip. I. 9410	38 0	11 17	265.7	0.52	9.0... 9.0	5.62	A 3	
13656	A 1243	A. G. Leiden 10078	40 55	31 36	219.0	4.84	9.0...13.0	4.94	A 2	
13657	A 1244	A. G. Camb 14272	42 12	30 10	271.2	2.52	9.0...10.2	5.69	A 2	
13658	A 1245	A. G. Leip. II. 11769	42 15	8 55	29.0	1.57	9.2... 9.2	5.58	A 2	
13659	A 899	A. G. Nico. 5894	42 35	−1 19	37.8	3.62	7.5...14.5	4.76	A 2	
13660	A 1246	A. G. Leiden 10120	46 4	31 14	93.7	0.76	8.4...11.5	5.83	A 2	
13661	A 1247	A. G. Leip. I. 9464	46 56	12 19	321.8	0.24	9.0... 9.4	5.71	A 3	
13662	A 900	DM (72°) 1127	52 22	72 18	103.7	0.31	7.8... 8.3	4.62	A 3	
13663	A 1248	DM (74°) 1056	55 0	74 57	246.4	0.82	9.8...10.5	4.61	A 2	
13664	A 1249	A. G. Leip. II. 11859	57 28	10 13	239.9	0.33	9.0... 9.7	5.55	A 3	
13665	A 1250	A. G. Camb. 14432	23 59 43	29 32	90.2	0.44	8.2...10.5	5.86	A 3	

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